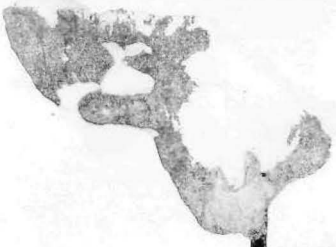

LAKE FOREST COLLEGE

BULLETIN OF LAKE FOREST COLLEGE • CATALOG ISSUE • 1964-65

BULLETIN OF LAKE FOREST COLLEGE

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**Beginning 1965.

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In the early eighteen-fifties a number of these leading members of the Second Presbyterian Church saw the need for an institution near Chicago in which young men might be trained for the ministry. It was the impressive beauty of the unbroken forest on the present site of the College, traversed by ravines and with a high bluff facing Lake Michigan, that led to its choice as the location of the projected university.

It was on February 13, 1857, that the legislature of the State of Illinois granted a charter to the trustees of Lind University, as the College was then called. On February 16, 1865, the name was changed to Lake Forest University. It is under this charter that Lake Forest continues its corporate existence.

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John Merle Coulter	1893-1896	Ernest A. Johnson	1942-1959
James G. K. McClure	1897-1901	William Graham Cole	1960

PURPOSE

Lake Forest College supports the principle that each person is entitled to be liberally educated to the extent of his ability and that a democratic society has an obligation to provide this kind of education through private as well as public schools.

Lake Forest College accepts as its primary purpose the cultivation of the mind in its ability to abstract, to judge, and to reason so that the student may grow in understanding, insight, and wisdom. This kind of education is intended to create in each student an intense love of learning and a high level of competence in order that self-motivated and self-directed learning will continue throughout life. The College, founded in the Christian tradition, further believes that education in the liberal arts and sciences, pursued in a Christian atmosphere, is the best preparation for responsible citizenship.

ACCREDITATION

Lake Forest College provides basic training for graduate and professional schools. It is fully accredited by the North Central Association of Colleges and Secondary Schools and by the University of Illinois. It holds membership in the leading educational organizations.

THE LIBRARY

The Donnelley Library was built in 1964. The main floor and the second floor provide study carrels, lounge and browsing areas, and stacks for the collection. The first floor contains classrooms and offices of the Departments of Economics, Government, History, and Sociology and Anthropology.

The Reid Memorial Library, which served as the College library for sixty-five years, will be converted to class rooms and offices for the Departments of Philosophy, Religion, and Education.

A special library for books and journals in the natural sciences and mathematics was opened in the spring of 1962. A part of the Ernest A. Johnson Memorial Science Center, the library is the gift of Mrs. Freeman, in memory of her husband, Dr. Thomas Oscar Freeman.

Throughout the years the College has received valuable collections. The Leverton collection of drama, the gift of Mr. Garrett Leverton, a former member of the faculty, contains 3,300 volumes providing excellent coverage of the fields of drama and the theatre and including a number of first editions and typescripts. The Alfred E. Hamill library, 6,300 volumes of Mr. Hamill's personal collection of fine editions and unusual bindings, was acquired in 1954. The acquisition features the fine arts and English literature in particular.

CULTURAL ACTIVITIES

Convocations are held several times each term on Wednesday mornings. Outstanding visitors to the campus or members of the faculty or administration speak on these occasions. Numerous lectures, seminars, discussions, concerts, films, and exhibits are arranged throughout the year. A calendar of such events for the 1963-64 college year will be found on page 56 of this bulletin.

A student committee plans for attendance of students at similar events in Chicago and nearby communitites. Students wishing to attend these can arrange for tickets and transportation with a student secretary who has a desk in the Cultural Activities Office. In recent years groups of students attended concerts by Elizabeth Schwarzkopf, Van Cliburn, Andres Segovia, Marian Anderson, Aaron Copland, and Josh White; a lecture by Jacques Barzun; plays such as "The Hostage" and "Raisin in the Sun"; readings by e. e. cummings and Pierre Viala; several operas; and tours and visits to areas and places of interest such as the Mother Cabrini homes, settlement houses, the Narcotics Court, Boys' Court, and the Women's Court, all in Chicago.

RELIGION

The College continues its affiliation with the Presbyterian Church, maintaining an active membership in the Presbyterian College Union and a close working relationship with the Board of Christian Education of the United Presbyterian Church in the United States of America. On the other hand, the College is not sectarian in its teaching and welcomes a variety of philosophical and religious points of view, asking only that they be in harmony with the broad Christian ideals which it is trying to further. Courses in religion, treating primarily the Christian religion, are offered as a part

of the College curriculum and each student completes one course in religion as a part of his program of courses leading to graduation.

A student is urged to attend the church of his choice, in Lake Forest if he lives on campus, or at home if he is a non-resident. Chapel services are held in the First Presbyterian Church. The College Chaplain, members of the faculty, students, and occasionally visiting ministers or other guests speak at these services. The Religious Activities Federation is an organization to which the United Campus Christian Fellowship, the Canterbury Club, the Roman Catholic Guild, the Jewish Activities Group, and the Christian Science Club are related. It plans religious events of interest and concern to the whole campus.

THE CAMPUS

The College Campus consists of ninety-three acres, divided into North, Middle, and South Campuses and Farwell Athletic Field. The North and Middle Campuses are bounded on two sides by picturesque ravines, and are separated by a third ravine. On the North Campus, of about ten acres, are situated the Henry C. Durand Institute (a classroom building containing the auditorium), Bradley Lodge, Lois Durand Hall, Alice Burhans Lodge, and Deerpath Hall (dormitories for women), On the Middle Campus, of approximately forty acres, are Harlan and Blackstone Halls, and their Annexes (dormitories for men), North Hall (the administration building of the College), the Calvin Durand Commons, Reid Memorial Library and Lily Reid Holt Chapel, Patterson Lodge, College Hall, Carnegie Hall, North Gymnasium, Academia, the heating plant, residences for members of the faculty and administration, the new Ernest A. Johnson Memorial Science Center, occupied during the 1961-62 college year, and the College Commons (dining facilities for all students, bookstore, bowling alleys, coffee shop, lounge and recreational facilities). A new library was constructed during the 1963-64 college year. On the South Campus are located Moore House (a dormitory for women), Hixon Hall, the Music Hall, Alumni Memorial Field House, South Hall (headquarters and classrooms for the Industrial Management Institute), and seventeen faculty residences. New residence halls for men and women, Gregory and Nollen were occupied in September, 1963. McClure Hall will be ready in September, 1964 and the last dormitory in the South Campus Quadrange will be completed during 1964-65.

ALUMNI ORGANIZATION

When a student terminates his study after a minimum attendance of one term, he is considered an alumnus of Lake Forest College. As such, he and his fellow alumni make up what is known as the Alumni Association of Lake Forest College.

To serve and to keep contact with all of the alumni throughout the nation, the College maintains an alumni office. Twelve times a year this office sends the Alumni Bulletin, which is edited by the Office of Public Information. It also facilitates club organization, arranges the annual dinner, keeps records and addresses of alumni; organizes special alumni events; and performs many other services which help to provide a liaison between the alumni and the College.

ADMISSIONS

Lake Forest College believes that the character and personality of a student as well as his scholastic ability are vital factors in predicting his success and progress in college. The qualities of intellectual vigor and curiosity are also assessed. The Faculty Committee on Admissions believes that those applicants should be selected who can contribute most to and benefit most from the Lake Forest College program of study and the college community.

The Admissions Office provides, upon request, the required forms for applying for admission. Students are urged to make arrangements for personal interviews with the admissions staff to discuss their specific educational goals and the opportunities provided by the College. Applications for admission should be filed before March 1 of the calendar year in which the student plans to enter. New students are admitted to the College primarily for the term beginning in September.

ADMISSION REQUIREMENTS

A candidate for admission to the freshman class at Lake Forest College is not required to present specified secondary school units of credit for admission, since Lake Forest College believes that the quality of academic performance, as measured by school grades and rank in class, and that the ability to learn, as evidenced by scholastic aptitude test scores, are more important than subject requirements as criteria for selecting its students.

Because of the character of the program of study later required in the College, candidates are urged to present sixteen units of secondary school credit in English, foreign language, social studies, natural sciences, and mathematics. The sixteen units should include four units of English, at least three units of one foreign language, three units of mathematics, one or two units of natural science (preferably one in physical and one in biological science), and two units of history and social studies.

An applicant must receive the strong recommendation of his principal, superintendent, headmaster, or guidance director to receive consideration.

All applicants for admission to the freshman class are required to take the Scholastic Aptitude Test and three of the Achievement Tests administered by the College Entrance Examination Board. The tests in English and mathematics are required. The third test should be in a foreign language if the student expects to continue the study of a foreign language begun in secondary school; otherwise, he may choose which other test to take. The Achievement Tests are primarily for guidance and placement purposes and need not be taken prior to consideration of the student's application for admission. Candidates should apply directly to the College Entrance Examination Board, Box 592,, Princeton, New Jersey (or Box 27896, Los Angeles 27, California, if they live west of the Rocky Mountains) for the administration of their tests.

A special bulletin is available for junior college graduates.

Students may be admitted to Lake Forest College with advanced standing if they present satisfactory preparatory and collegiate records. Only a student eligible to return to the college or university from which he is transferring will be considered for admission. The last two years of college work must be taken at Lake Forest College.

Before final admission, a student must take a medical examination which includes certain laboratory tests, and the examining physican must certify that the student is in good health. A smallpox vaccination within the last five years is required, and a chest X-ray is given to each student.

Persons who are qualified to do college work, but who are not candidates for a degree, may be admitted as unclassified students.

PERSONNEL SERVICES

ACADEMIC ADVISEMENT

During the freshman year, the student's academic program is worked out with an assigned adviser. Toward the end of the year, in consultation with the adviser. the student will select a departmental adviser. Often this will involve the selection of a special academic major, but this is not mandatory until the close of the sophomore year. Choice of the adviser and/or major are not absolutely binding since the College's general academic program has considerable flexibility, but change of major after the start of the junior year may involve an additional term or summer session work in order to meet all the requirements.

A limited testing program assessing the abilities, interests, and aptitudes of students is available in the Psychological Services Center for those who may wish further help in planning their educational programs.

PERSONAL COUNSELING

Modern principles recognize that sound physical *and* mental health are important to satisfactory academic work. Students may consult with their head resident, their adviser, or others about personal matters. In addition specially trained personnel are available in the offices of the Chaplain, the Dean of the Faculty, the Dean of Students, and the College Health Office. In general, these are willing to consult with any student at any time.

PSYCHOLOGICAL SERVICES CENTER

The Center is designed to assist with the personal—emotional—social problems of students. The Center is located in the Johnson Science Center and appointments are made through the College Health Office.

HEALTH SERVICE

Lake Forest College seeks to safeguard and improve the health of its students. To this end a College physician and registered nurse are available. The family physician, beginning with his certification of an entering student's physical condition, is encouraged to work with Lake Forest College's medical advisers.

All students are required to have an annual chest X-ray or skin test. This service is provided free by the Lake County Tuberculosis Association during scheduled days in the Fall. Students who do not receive the test at this time will be required to have one made at their own expense.

Students are required to report all illnesses promptly to the Nurse who has an office in Academia, which is open at specified hours in morning and afternoons. Consultation with the College Physician in the Health Office is available to students without cost during his office hours in the College Health Office. The student, however, must pay a regular fee to the college physician when his service is required at the residence hall, hospital, or at his office.

The College has a consultant psychiatrist available to students through the Health Office.

While medical treatment will never be forced upon students, both they and their parents must recognize the right and duty of the college health service staff to protect the health of the College community as well as the individual by hospitalizing or isolating students when such action is deemed necessary.

The College participates in a broad coverage accident and sickness insurance plan for its students. Resident students are automatically covered by this plan and it is available to non-resident students if they apply for it. The plan protects students of Lake Forest College at home, at college, or while traveling throughout the academic year. Complete information concerning coverage is given at the time of registration or it may be obtained by calling or writing the Business Office of the College. Insurance claims are processed in the Health Office.

RESIDENCE HALL LIVING

Freshmen students are assigned to areas reserved for freshmen. All students, except married students, who do not live with their parents are required to live in one of the residence halls. Room assignments are accepted for the year and refunds of charges are not made except in accordance with the refund schedule given on page 61. Resident students are required to take their meals in the College Commons.

Students are held responsible for damages to rooms and furnishings. Charges must be paid within a specified time. The College is not responsible for personal property left in student rooms. Students who find it necessary to remain in the residence halls over the Christmas or Spring recesses, may do so with special permission and will be charged a reasonable rate.

PRIVILEGE OF ATTENDANCE

Good scholarship and good conduct are expected of Lake Forest College students. Attendance at Lake Forest College is a privilege, not a right.

In order to safeguard its ideals of scholarship and character, the College reserves the right, and the student concedes to the College the right, to require the withdrawal of any student at any time for any reason deemed sufficient to it. Other disciplinary action may be taken as deemed appropriate.

HANDBOOK

A student handbook is published by the College and distributed each year. In it detailed information about social regulations, campus standards, extra curricular activities, community government, and College services and facilities is given to the student.

REPORT TO SECONDARY SCHOOLS

Reports of each student's academic record are sent to the secondary school from which he was graduated. In accepting admission to Lake Forest College, each student grants to the College permission to release this information to the school.

MILITARY PROGRAMS

The student who has completed his degree at the time he enters military service has a distinct advantage in his eligibility for special schools and training. Recent policies of the Department of Defense have made it possible for students to complete the full four years of college work before having to enter the service. In some cases students may wish to work out programs concurrently with their education such as *Reserve Officer Candidate Program of the Navy, the Platoon Leader's Class of the* Marine Corps, and others.

Full information may be obtained from local recruiting offices and certain descriptive literature about military service in general is maintained in the office of the Dean of Students.

FINANCIAL AID

Any student who needs financial aid and whose credentials qualify him for admission to the College is eligible to be considered for financial aid, but applicants are ranked for consideration on the basis of their academic records and their College Entrance Examination test scores. *Financial aid is subject to renewal if a high level of* scholarship is maintained. Applications from those who need assistance may be filed with the Director of Admissions in the case of new students and with the Dean of Students' Office in the case of returning students. A brochure describing available financial aid may be obtained from these offices. Transfer students except junior college graduates, are not eligible for financial aid in their first year at Lake Forest College.

Work Program

Many students find it possible to earn a part of their school expenses by employment on or off campus. Students work in the dining halls, in various offices, in the library, on the buildings and grounds staff, and in the coffee shop. Off campus employment is available in the business section of the town and in private homes.

Students who wish to work should register with the Placement Office.

Loans

The College has certain funds which have been set aside for short and long term loans to students at low interest rates. The College also participates in the loan program established under the provisions of the National Defense Education Act. Application blanks are available from the Dean of Students, or, in the case of new students, from the Director of Admissions. Loans are available only to students with satisfactory academic and conduct records.

AUTOMOBILES

Students who drive automobiles must register them in the office of the Dean of Students. All students who live at home and junior and senior resident students are allowed cars. No student may have a car on campus unless he carries public liability and property damage insurance. A detailed list of regulations governing the use of automobiles is issued at the time cars are registered.

STUDENT ACTIVITIES

COMMUNITY GOVERNMENT ASSOCIATION

In 1960 the students and faculty voted to establish a Community Government Association, consisting of students, faculty, and administration. This group seeks to establish policies, to promote qualified leadership, and to provide coordination for the college's extensive extra-curricular and co-curricular program.

Student members of CGA are selected as class delegates and as representatives from six boards which are Religious Activities Federation, Activities Board, Special Projects Board, Conduct Board, Governing Agencies Board, and Publications Board. These students attempt to represent the entire campus population.

MUSIC

The Lake Forest College Concert Chorale and the Lake Forest Chamber Symphony Orchestra are open to all interested and qualified students. These groups present concerts both on and off campus throughout the school year.

DEBATE

Debate teams for men and women are organized each year. Debates are held on subjects of timely interest, and various intercollegiate debate tournaments are entered.

PUBLICATIONS

The publications of the student body are edited and managed by the students. The publications are *The Stentor,* the College weekly; *The Forester,* the College yearbook; *Tusitala,* a magazine of student writing and art work; *Configuration,* a magazine devoted to the publication of prose written by students at Lake Forest College and other colleges and universities.

DRAMA PRODUCTIONS

Several plays are presented during the college year. Tryouts are open to interested students whenever a play is about to be cast. Membership in the Garrick Players is open to any student who wishes to participate in the various aspects of theatre production.

SPECIAL INTEREST CLUBS

A number of academic interest clubs are active on campus. These are Alpha Psi Omega (*national honorary in dramatics*), *Association Internationale des Etudiants en* Sciences Economiques et Commerciales, Beta Beta Beta (national honorary in biology), the Garrick Players, Psi Chi (psychology), Student Affiliates of the American Chemical Society, Student Section of the American Institute of Physics, and the Women's Recreation Association.

Other special interest groups on campus are Bridge Club, Canterbury Club, Chess Club, Christian Science Club, Educational Project, Human Relations Group, International Relations Club, Jacobin Society, Jewish Activities Group, Radio Station WLFC, Roman Catholic Guild, Unitarian Fellowship, United Campus Christian Fellowship, Young Democrats, and Young Republicans.

HONORARY LEADERSHIP SOCIETIES

The Iron Key is a local honor fraternity for junior and senior men, founded October, 1919. Membership is determined by scholarship, character, and leadership in student *activities.*

Kappa Alpha is a local honor society for junior and senior women, founded October, 1919. Membership is determined on the basis of achievement in scholarship, student activities, and co-operative spirit. The society seeks to stimulate the interest of college women in constructive educational work and to uphold ideals of college loyalty and personal culture.

SOCIAL ORGANIZATIONS

The six fraternities on the campus are Alpha Sigma, Delta Chi, Digamma Alpha Upsilon, Kappa Sigma, Phi Pi Epsilon, and Tau Kappa Epsilon. The four sororities are Chi Omega Chi, Chi Phi Omega, Gamma Phi Theta, and Tau Delta Theta.

INTERCOLLEGIATE SPORTS

Intercollegiate sports are so organized that any male student who is eligible may try out for a team. Intercollegiate competition takes place in football, basketball, baseball, golf, track, wrestling, tennis, soccer, and hockey.

A program of intercollegiate competition for women is provided in basketball and in tennis.

INTRAMURAL SPORTS

An extensive program of intramural sports for men is carried out in touch football, basketball, volleyball, baseball, tennis, bowling, badminton, golf, wrestling, track and field, and other sports in which interest is shown. The Intramural Athletic Committee deals with questions pertaining to this program.

A comprehensive program of intramural sports is also offered for women through the sponsorship of the Woman's Recreation Association. Activities included in this program are golf, field hockey, volleyball, basketball, bowling, softball, ping-pong, badminton, tennis, skiing, riding, and others. Through participation in the intramural program women become eligible for membership in W. R. A.

RESIDENCE HALL GOVERNMENT—WOMEN

The Association of Women Students is made up of the residents in the women's dormitories. Their self-government is administered by an executive committee, which establishes policies pertaining to the life of the resident women.

THE SUMMER SESSION

The Summer Term is approximately eleven weeks in length. One, two, or three regular courses may be selected. The Summer Term bulletin is available in February each year. Inquiries should be addressed to the *Director of the Summer Term.*

CALENDAR
1964-65
Summer Term

June	22	Monday	Registration, 8:30 a.m. - 12:00 noon
	23	Tuesday	First course begins, 8:30 a.m.
July	15	Wednesday	Final examination, first course
	16	Thursday	Second course begins, 8:30 a.m.
August	7	Friday	Final examination, second course
	10	Monday	Third course begins, 8:30 a.m.
September	1	Tuesday	Final examination, third course

Fall Term

September	16-18	Wednesday	Conference of Faculty
	19-22	Saturday	New student orientation
	21-22	Monday	Registration
	23	Wednesday	Classes begin, 8:30 a.m. (All classes have first meeting.)
October	29	Thursday	Mid-term grade reports for freshmen due 12 noon
November	26	Thursday	Thanksgiving Day holiday (All Thursday classes meet Wednesday of this week.)
December	4	Friday	Classes end
	7-11	Monday	Final examinations

Winter Term

January	4	Monday	Classes begin, 8:30 a.m.
February	8	Monday	Mid-term grade reports for freshmen due, 12 noon
March	12	Friday	Classes end
	15-19	Monday	Final examinations

1964-65

JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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DECEMBER

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COLLEGE CALENDAR
Spring Term

March	29	Monday	Classes begin, 8:30 a.m.
May	3	Monday	Mid-term grade reports for freshmen due, 12 noon
	14-15	Friday	Senior Comprehensive Examinations
June	4	Friday	Classes end
	7-10	Monday	Final examinations
	11	Friday	Baccalaureate service, 3:30 p.m.
	12	Saturday	Commencement, 10:30 a.m.

Summer Term

June	21	Monday	Registration
	22	Tuesday	First course begins
July	5	Monday	Independence Day holiday
	16	Friday	Final examination, first course
	19	Monday	Second course begins
August	11	Wednesday	Final examination, second course
	12	Thursday	Third course begins
	19-20	Thursday	Senior Comprehensive Examinations
September	3	Friday	Final examination, third course

1965-66
Fall Term

September	18-21	Saturday	New student orientation
	20-21	Monday	Registration
	22	Wednesday	Classes begin
December	3	Friday	Classes end
	6-10	Monday	Final examinations

1965

APRIL

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JULY

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AUGUST

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OCTOBER

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NOVEMBER

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DECEMBER

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ACADEMIC REQUIREMENTS

CLASSIFICATION

The academic year is divided into a fall term, a winter term, and a spring term. The normal course load is three courses per term, making a total of nine for the year. A student will be classified as a sophomore if he has completed seven courses by the beginning of his second year in college, as a junior if he has completed sixteen courses by the beginning of his third year in college, and as a senior if he has completed twenty-seven courses by the beginning of his fourth year in college. A full-time student will register for only three courses each term.

CREDIT

Since September, 1961, credit for college work has been recorded by courses. Prior to this date it was recorded in semester hours. While semester hours of credit have not been used at Lake Forest College since September, 1961, the value of the courses in the current catalogue for conversion purposes is three and one-third semester hours or five quarter hours. Thirty-six courses are required for graduation.

REGISTRATION

In the spring of each year, students register in advance for the next academic year. New students choose their courses during the summer preceding their entrance to the college. Registration is completed on designated registration days in September. Necessary changes in registration may be made by the use of forms obtained in the Office of the Registrar. The original of this form must be signed by the student's adviser. The change is not official until the form is returned to the Registrar. A fee of $3.00 is charged for changes made after classes begin. Withdrawal from a course is regarded as a change in registration and is cared for in the manner described above. Failure in the course will be recorded for those who do not comply with this regulation. Except in unusual circumstances and for reasons beyond his control, a student may not withdraw from a course after the end of the first week of the term. A student may not register in a new course after the end of the first week of a term.

GRADES

Three passing grades are used at Lake Forest College. These are *honors* (H), *high pass* (HP), and *pass* (P). The honors grade is given for outstanding work. The *high pass* grade is used to indicate that the work is of superior quality but not outstanding and when given in upper division courses means that the faculty feels that a student who works at this level is generally qualified for graduate study. Other work of passing quality is given a grade of *pass*. Students who fail a course are given a grade of *failure* (F). An *incomplete* (I) is given when a student who is passing has not, because of illness or some other exceptional reason, completed the work of the course. (I may be

given only with the permission of the Dean of the College.) A grade of *I* can be replaced by any other grade if the work is completed within one academic month after the student re-enrolls in the College; otherwise it becomes an *F*. *W* signifies withdrawal and is given when a student withdraws from a course with the approval of the Dean of Students, provided he is passing in the course at the time of withdrawal.

The grade of *X* is a condition grade. It permits a student to take another final examination or repeat other work in the course at the discretion of the teacher. A condition grade is regarded as a failure until it has been removed. If the work is satisfactorily repeated within the period of time set by the instructor, which must be within one month after re-enrolling, the grade is changed to a *pass* (P), otherwise, it become a *failure* (F).

The grade of *Y* is given only to freshmen at the time of the midterm grade report when the student is barely passing the course. It is regarded as a warning that the student is in danger of failing the course.

Freshman grade reports in courses in which the work is failing, barely passing or incomplete are made to all freshman students at the mid term. Final grade reports are mailed to students at their homes at the close of each term.

SCHOLARSHIP RULES

A student who fails three courses in a given year will not be allowed to re-enroll the following year. Each course that is failed must be made up by approved summer work, normally taken at Lake Forest College, and a student will not be allowed to re-enroll in September if he does not qualify for sophomore, junior, or senior standing in his second, third, and fourth years, respectively. At the discretion of the Dean of Students or the Dean of the College, a student may be put on probation or dropped for poor scholarship during the academic year if in their opinion the quality of the student's work justifies such action. A student who fails three courses in a given term or two courses in one term and a third course in a successive term will not be allowed to continue in the following term.

CLASS ATTENDANCE

Students are expected to be present at all meetings of their classes beginning with the first, unless prevented by illness or other emergency or by participation in a college approved function. All cases of illness should be reported immediately to the Health Office. Other emergencies should be reported to the Dean of Students.

Each instructor has the right to establish specific regulations regarding attendance which may seem best suited to his particular course. A student may be dropped from a course with an *F* grade because of excessive absences.

WITHDRAWAL FROM COLLEGE

A student who finds is necessary to withdraw from college must confer with the Dean of Students and file a withdrawal form. Failure in his courses will be recorded for a student who does not withdraw through the office of the Dean of Students.

INDEPENDENT STUDY

With the approval of his faculty adviser and the Dean of the Faculty, a junior or senior may engage in independent study. This arrangement allows greater student responsibility for the work covered and freedom to read more extensively than may be possible in a regularly scheduled course. A student's request for independent study must be prepared in outline form, approved by his adviser, and then filed with the Dean of the Faculty, prior to the opening of the term during which the study is to be undertaken.

SENIOR THESIS

With the approval of his adviser and the Dean of the Faculty, a student in his senior year may write a senior thesis based either on library or laboratory and library research. This thesis may take the place of one or two courses in the major field. The student prepares an outline of the proposed project for the examination of his adviser and of the Dean of the Faculty. After completion of the work, the student is examined on the thesis by a committee appointed by the Dean of the Faculty and consisting of the faculty member who supervised the thesis as the chairman of the committee, and three or four others, including at least one member of the faculty outside of the department concerned. Approved copies of the thesis, signed by members of the committee and by the Dean of the Faculty, must be submitted, one to the department and one to the Dean's office for filing in the College Library.

REQUIREMENTS FOR GRADUATION

Lake Forest College offers courses leading to the Bachelor of Arts degree only.

A student must receive passing grades in thirty-six courses to meet the graduation requirement. Deficiencies may be made up by summer session work, normally taken at Lake Forest College, but with the approval of the Dean of the Faculty such work may be taken elsewhere if it is a part of the first two years of credit. Of the thirty six courses required for the Bachelor of Arts degree, a minimum of nine courses must be in the major field. The maximum number of courses in the major field that may be credited toward the degree is thirteen. The junior and seniors years (the last eighteen courses) must be taken at Lake Forest College.

Comprehensive Examination

A written comprehensive examination in the major is taken at a designated time in the senior year. Satisfactory performance on this examination is required for graduation. Only two opportunities to pass the examination are permitted.

Senior Reading Program

To encourage reading in addition to that directly related to course work, senior students are assigned eight books to be read during the summer prior to the senior year. Small groups of about fifteen students meet with two members of the faculty four times during the Fall Term and four times during the Winter Term to discuss the books, devoting one session to each book. Each group is made up of students with a variety of majors.

COURSE REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

The course of study required for the Bachelor of Arts degree consists of (1) certain required courses (listed below), (2) a minimum of nine and a maximum of thirteen courses in the major field (except in the general major in American Civilization), and (3) sufficient electives to bring the total number of courses to thirty-six in addition to physical education activity.

General Required Courses

The following year course:	
Western Civilization 11a,b,c	History and Literature of Western Civilization (Freshman Year)
The following one term course:	
English 11	Introduction to Literature
Three of the following:	
Economics 11	Principles of Economics
Government 11	American National Government
Psychology 11	Introduction to Psychology
Sociology and Anthropology 11	Human Society
One of the following year courses:	
Biology 11a,b,c or 12 a,b,c	General Biology
Chemistry 11a,b,c or 12a,b,c	General Chemistry
Physics 11 a,b,c or 12 a,b,c	General Physics
Two of the following:	
Art 21	The Visual Arts
Music 21	Introduction to Music Literature
Philosophy 21	Introduction
One of the following:	
Religion 21	Old Testament
Religion 22	New Testament
Religion 24a	History of Christian Thought (I)
Religion 24b	History of Christian Thought (II)
Religion 24c	History of Christian Thought (III)
Religion 27	Christian Ethics
The following course:	
Philosophy 41	History of Modern Thought (Senior Year)

Competence in one foreign language and in mathematics as measured by examinations is required. Good quality work in four years of secondary school language and three years in secondary school mathematics is normally sufficient preparation. Five terms or sometimes fewer of foreign language, if a new language is begun in college, will prepare a student for the examination. One term of college mathematics for those needing additional course work in this field should be sufficient.

Competence in spoken and written English is expected of all entering students. Those found to be deficient, as determined by a platform test and samples of writing, will be given special help.

Students are required to pass a test of physical fitness and to demonstrate competence in two sports, at least one of which must be an individual sport.

MAJOR

Toward the close of his freshman year the candidate for the degree of Bachelor of Arts selects a major from the following list:

(1) American Civilization, (2) Art History, (3) Biology, (4) Chemistry, (5) Economics, (6) English, (7) French, (8) German, (9) Government, (10) History, (11) International Relations, (12) Latin, (13) Mathematics, (14) Music, (15) Philosophy, (16) Physics, (17) Psychology, (18) Religion, (19) Russian, (20) Sociology and Anthropology, (21) Spanish.

SCHOLASTIC HONORS AND PRIZES

Graduation With Honors

Graduation with Honors is based upon satisfactory performance in the comprehensive examination in the major field. Special Honors in Senior Thesis are awarded students whose theses in the opinion of the examining committee are worthy of this recognition.

The names of students so honored will be noted in the commencement program and their diplomas will be appropriately inscribed in recognition of their outstanding scholarship.

The Dean's List

The Dean's List consists of thise students who have received one *honors grade* and two *high pass gardes* or better in a given term.

Honorary Scholastic Societies

PHI BETA KAPPA is a national honorary scholastic society open to men and women with superior achievement. The Lake Forest College chapter is Theta of Illinois. Both faculty and students comprise the membership.

The PATTERSON SCHOLARS are a group of men and women of all classes, selected by the faculty from those students who are on the Dean's List and who are recommended by individual faculty members on the basis not only of demonstrated ability, but also of their intellectual creativity.

PHI ETA SIGMA is a national honor society for freshman men. The chapter was established at Lake Forest in 1929. Its purpose is to foster scholarship. Membership is determined on the basis of high scholastic achievement.

The McPherson Prizes

The sum of three thousand dollars was contributed in 1889 by friends of the Reverend Simon J. McPherson to found the four prizes to be named in his honor. In practice, the prizes in English, philosophy, foreign languages, and dramatics are usually awarded to graduating seniors.

A prize of twenty-five dollars may be given annually for work of superior grade in each of these fields.

The Scholarship Plaque

The student having the best scholastic record in each class for the three terms (two terms for freshmen) preceding that during which the annual Honors Day Convocation is held will be honored by having his name engraved on a plaque which hangs in the Student Center.

The Lettermen's Plaque

The letterman having the best scholastic record for the three terms preceding that during which the annual Honors Day Convocation is held will be honored by having his name engraved on a plaque which hangs in the Alumni Memorial Field House.

The Emma O. Haas Memorial Awards For Merit In Scholarship

Judge John F. Haas of Chicago, a graduate in the class of 1900, has established at the College in memory of his mother, annual awards totaling one hundred dollars, designated as the "Emma O. Haas Memorial Awards for Merit in Scholarship." These awards are announced and given on the day of the annual Honors Convocation in the following amounts:

Fifty dollars to a senior class student outstanding in scholarship, to be selected by the faculty from those attending Lake Forest College the entire four years.

Twenty-five dollars to a junior class student outstanding in scholarship, to be selected by the faculty from those attending Lake Forest College the entire three years.

Twenty-five dollars to a sophomore class student outstanding in scholarship, to be selected by the faculty from those attending Lake Forest College the entire two years.

The Fredericka L. Stahl Memorial Award For Excellence In Science

Judge Haas has also established, in memory of his grandmother, Fredericka L. Stahl, an annual award of fifty dollars to be known as "The Fredericka L. Stahl Memorial Award for Excellence in Science." The recipient of the award is determined by a committee of faculty members and is announced on Honors day. The prize is awarded to the senior class student who has the best record in the field of the natural sciences during the four years he or she has attended Lake Forest College. Students who major in biology, chemistry, mathematics, physics, and psychology are eligible. Excellence in the science courses forms the primary basis of selection. Attitude, habits of work, and spirit of cooperation are also taken into consideration by the committee.

The Warren A. Peterson Memorial Award In Business

The family of Mr. Warren A. Peterson of the class of 1932 has established in his honor an annual award of twenty-five dollars to be known as "The Warren A. Peterson Memorial Award" to be given to a senior student who is entering the field of business, who has a good academic record, and who also has made a marked contribution to the life of the college through extra curricular activities.

The Scott Award In Religion

In 1957, Miss Mildred Scott of Cleveland, Ohio, established by endowment, "The Scott Award for Excellence in the Study of Religion." The annual award of twenty-five dollars honors her parents, Mr. and Mrs. Lyman H. Scott. It is given to that student, usually a junior, who, in the opinion of the faculty in the Department of Religion, has done the most outstanding course work in that department. The prize was first given in 1957.

The Sterling Price Williams Prize

The Sterling Price Williams Prize in psychology, given by friends in honor of Dr. Sterling Price Williams, Professor of Psychology and Philosophy at Lake Forest College from 1927 to 1949, consists of books on the subject of psychology selected by the recipient. The student to whom the award is made is selected by the members of the faculty of the Department of Psychology as the senior psychology major who shows greatest promise in this field.

The Gail DeHerder Prize In Creative Writing

The Class of 1959 established a memorial fund to honor Gail DeHerder, a member of the class for three years. The income from this fund is used to provide a prize of twenty-five dollars to be awarded each year to the senior woman who submits the best piece of creative writing. Only students who have been in attendance at Lake Forest College the entire four years are eligible to compete.

In Scholarship
The Tau Kappa Epsilon Freshman Award for Excellence

The Delta Beta (Lake Forest) Chapter of the Tau Kappa Epsilon fraternity awards annually a prize of twenty-five dollars to the freshman man having the best scholastic record during the first two terms of his freshman year.

The Chemistry and Physics Achievement Awards

The Chemical Rubber Publishing Company of Cleveland, Ohio, gives annually a copy of the *Handbook of Chemistry and Physics* to each of the two outstanding students in freshman chemistry and in freshman physics. The recipients are selected by the faculty of the Departments of Chemistry and Physics.

The Scholarship Trophies

Scholarship trophies, one for men and one for women, are awarded annually on Honors Day to the organized social group whose members and pledges have the best scholastic record in the preceding three terms. The trophies are passed from the winners of one year to the new winners until the space provided for engraving the name of the winning group is filled. The trophy is then retired and awarded to the group whose name appears the most times on the cup.

COMMITTEES OF THE FACULTY

The President and the Dean of the Faculty are *ex officio* members of all faculty committees.

Academic Standing: Mrs. Wilton (Chairman); Mr. Bennett, Mr. Bixler, Miss Rahn, and Mr. Sharvy.

Admissions and Student Aid: Mr. Forgus (Chairman); Mr. Kirby, Mr. Krantz, Mr. Smucker, Mr. Sproat, and, *ex officio*, Mr. Hoogesteger, Mr. Kirkpatrick and Mrs. Volpe.

Appointments, Promotions, and Tenure: Mr. Bartlett, Mr. Coutts, and Mr. Herlihy.

Curriculum: Mr. Martin (Chairman); Miss Cowler, Mr. Gerasimo, Mr. Hantke, Mr. Louch, Mr. Neumann, Mr. Tinder, and, *ex officio*, Miss Biggs and Mrs. Volpe.

General Policies: Mr. Steamer (Chairman); Mr. Donnally, Mr. Giere (Secretary), Miss Hentz, Mr. Hutcheson, Mr. Kalas, and Mr. Weiner.

Library: Mr. Voss (Chairman); Miss Biggs, Mr. Herlihy, Mr. Jensen, Mr. Pese, and Mr. Rains.

Teacher Education: Mr. Hantke, Mr. Jensen, Mr. Reichert, and Mr. Voss.

COURSES OF INSTRUCTION

In the following section of the catalogue the courses of instruction are listed by departments, which are arranged alphabetically.

Term courses which are related and have a common title are designated by the letters *a, b* or *c* following the number of the course. Ordinarily the preceding term is a prerequisite to the term course which follows in such a sequence.

The letter F (Fall), W (Winter), and S (Spring) are used to indicate the term in which a given course is normally available. A comma between two or three of these, letters, such as F,W,S, means that the course is repeated each of the terms designated. In the case of a sequence of courses designated by a common name and having the letters *a,b* and *c* to indicate this relationship, the terms during which the sequence is available are given without commas. Thus if courses *11a,b,c* are scheduled so that *11a* comes in the fall, *11b* in the winter, and *11c* in the spring, this fact will be indicated by the letters FWS, written without commas.

AMERICAN CIVILIZATION

Committee: Associate Professor Sproat (Chairman), Professor Milne, Professor Steamer

The major includes English 31a, b (American Literature); Government 11 (American National Government); and Government 34 (American Political Thought); History 22a,b (The United States), History 41a,b (American Intellectual History), and American Civilization 45 (Seminar in American Civilization). Recommended electives are Economics 11 (Principles of Economics), Economics 31 (Labor in the American Economy); English 45 (Seminar in American Literature); Education 21 (American Education); Government 23 (Political Parties) and Government 31a,b (American Constitutional Law); History 23 (American Economic History), History 24 (Social Change in America), and History 42 (America in the Modern World); Religion 32 (Religion in America).

45 Seminar: Studies in American Civilization
S.

BIOLOGY

Professor Lunn; Associate Professors Giere (Chairman), Louch;
Assistant Professor Rahn; Mrs. Hasskarl, Mrs. Jansen, Mr. Runge

The major includes General Biology, preferably 12a,b,c. Biology 11a,b,c or 12a,b,c are prerequisites to all other courses in the department. Chemistry 11a,b,c or 12a, b, c are required of majors.

11a,b,c General Biology

Principles of biology. For students specializing in areas other than the natural sciences. Four class hours and three laboratory hours per week. FWS.

12a,b.c General Biology

Principles of biology. For those planning to major in biology. Four class hours and three laboratory hours per week. Prerequisite: One year of college chemistry or consent of instructor. FWS.

21 Anatomy of the Vertebrates

A comparative study of the vertebrate organ systems. Three class hours and six laboratory hours per week. F.

22 Histology

Identification, function, and development of vertebrate tissues. Three class hours and six laboratory hours per week. S.

23 Embryology of the Vertebrates

Development patterns and processes in the vertebrates with special reference to the chick and pig. Three class hours and six laboratory hours per week. Prerequisite: Biology 21. W.

24 Ecology

A study of the relationships between organisms and their environment. Three class hours and six laboratory hours per week. The laboratory work includes frequent field trips. Chemistry 11 or 12 recommended. F.

25 Botany

Anatomy and physiology of vascular plants with emphasis on angiosperms. Three class hours and six laboratory hours per week. Prerequisite: One year of chemistry. Organic chemistry is recommended. S.

31 Microbiology

A study of microorganisms with particular emphasis on the chemical activities of the bacteria. Three class hours and six laboratory hours per week. Prerequisite: Chemistry 11 or 12 and 29a. Chemistry 29a may be taken concurrently. W.

32 Genetics

Fundamental principles of genetics with emphasis on the chemical and physiological action of the gene. Three class hours and six laboratory hours per week. Chemistry 11 or 12 recommended. F.

33 General Physiology

The functions of the animal body with emphasis on the fundamental physiological processes. Three class hours and six laboratory hours per week. Prerequisite: one year of chemistry. Chemistry 29a,b recommended. S.

45 Seminar

Current problems in biology. Four class hours per week. Prerequisite: Six courses of biology or consent of the instructor. W.

CHEMISTRY

Professor Coutts (Chairman);
Associate Professor Martin; Mr. Bixler, Mr. Thompson

The major includes Chemistry 12a,b,c; 21; 29a,b; 31; 39a,b.

11a,b,c General Chemistry

Growth and application of the scientific method, using illustrative material from theoretical and descriptive chemistry. First two terms deal with principles of chemical interactions and descriptive chemistry of metals and non-metals; third term includes the transition metals and an introduction to organic chemistry. For students not expecting to take further course work in chemistry. (With permission of instructor, students may transfer to Chemistry 12c for third term.) Four hours of lecture and one three-hour laboratory per week. FWS.

12a,b,c General Chemistry and Qualitative Analysis

Parallels Chemistry 11 in first two terms, but with additional emphasis on topics of primary interest to natural science majors; qualitative analysis in the third term. For chemistry majors and others expecting to take Chemistry 29a,b. Four hours of lecture and one three-hour laboratory per week during first two terms; three hours of lecture and two four-hour laboratories per week in third term. FWS.

21 Quantitative Analysis

Principles involved in the separation and quantitative estimation of elements in compounds and mixtures. Prerequisite: Chemistry 12c or consent of instructor. Three hours of lecture and two four-hour laboratories per week. F.

29a,b Organic Chemistry

Chemistry of carbon compounds, with emphasis upon the applications of modern principles to structure, reactivity and methods of syntheses. The chemistry of biologically important compounds is included. Meets requirements of most medical schools. Prerequisite: Chemistry 12c or consent of instructor. Four hours of lecture and one four-hour laboratory per week. WS.

31 Advanced Organic Chemistry

A continuation of Chemistry 29a,b with emphasis in the laboratory upon the systematic identification of organic compounds. Prerequisite: Chemistry 29b. Three hours of lecture and two four-hour laboratories per week. F.

39a,b Physical Chemistry

Theoretical aspects of chemistry as exemplified in the laws of thermodynamics, kinetics, equilibrium, electrochemistry, and studies of the states and structure of matter. Prerequisite: Chemistry 21, Physics 11c or 12c, and Mathematics 21a, or consent of instructor. Four hours of lecture and one four-hour laboratory per week. WS.

41 Advanced Physical Chemistry

A continuation of Chemistry 39a,b with emphasis on quantum theory and statistical mechanical interpretation of atomic and molecular structure and interactions. Prerequisite: Chemistry 39b. Four hours of lecture and one four-hour laboratory per week. F.

43 Instrumental Methods

Theory and operational techniques involved in the use of instruments in all branches of chemistry. Laboratory includes such fields as spectroscopy, spectrophotometry, polarography, and radiochemistry. Prerequisite: Chemistry 41 or consent of instructor. Three lectures and two four-hour laboratories per week.

44 Advanced Inorganic Chemistry

Modern concepts of chemical bonding, periodic relationships, stereochemistry, and other special topics. Prerequisite: Chemistry 41 or consent of instructor.

45 Seminar

Special topics, with the particular subject matter and meeting pattern varying from term to term. Prerequisite: consent of instructor.

ECONOMICS

*Professors Herlihy (Chairman), *Nicholaus;*
Assistant Professors Reynolds, Weiner;
Lecturer: Mrs. Hale; ‡Mr. Armstrong, ‡Mr. Sinai

The major includes Economics 11; 21a,b; 22a,b; and any four of the following: 31, 32, 33, 35, 36, 37, 45. Students contemplating graduate work in economics or business administration are urged to elect several courses in mathematics, including Mathematics 15 (Elementary Probability and Statistics), as well as History 23 (The American Economy). Economics 11 is a prerequisite to all other courses in the department except 13a,b.

Students majoring in Economics may elect a concentration in International Relations by adding Economics 12 and 32 to the required courses as well as Government 46. A minimum total of nine courses in Economics is required. Six courses must also be elected from Government 26a and b; 31a and b; 35, 38, 41; History 21 a and b, 22b and c, 33, 34, 35, 38; Anthropology 34a, b and c. The 22 course in a modern foreign language is also required.

11 Principles of Economics

Structure, function and problems of the American economy, with emphasis on application of economic principles to analysis of current economic issues. F,W,S.

12 Economic Growth and Development

An introduction to the principles and problems of economic development in the emerging nations of the world. F,W,S.

13a,b Accounting

The fundamental principles and procedures of accounting for business enterprises in the first term. The analysis and interpretation of accounting statements and data for management purposes in the second term. FW and WS.

21a,b Price Theory and Its Applications

A theoretical and empirical analysis of market structure, behavior, and performance in American industry. The first term concentrates on monopoly and pure competition. The second term concentrates on monopolistic competition and oligopoly. FW and WS.

*On Sabbattical Leave of Absence, Fall Term, 1964-65.
‡Part-time Teaching, 1964-65.

22a,b Income, Employment and Money

Development of macro-economic models concerned with the problems of employment, the price level and economic growth. The theoretical models are integrated with a treatment of monetary and fiscal policy. The determinants of the major components of national income will be considered in the first term. Building on the materials of the first term, theories of economic growth,, with primary emphasis on advanced capitalist economics will be developed in the second term, and examined from the viewpoint of current policy problems. WS.

31 Labor in the American Economy

The labor problems of American industrial society, analyzed in the context of trade unionism and collective bargaining, and the economics of the labor market. Prerequisite: Economics 21a or consent of the instructor. W.

32 International Economics

Critical analysis of principles, institutions, and policies of international trade. Prerequisite: Economics 21a and 22a or consent of the instructor. F.

33 Business Organization and Public Policy

Analysis of the fundamental economic problems of the social control of business activity. Prerequisite: Economics 21b or consent of the instructor. W.

35 History of Economic Thought

A survey of the history of economic concepts with emphasis on the development of various theories in economic policy and naalysis. Prerequisite: Economics 21b and 22b. W.

36 Corporation Finance

Overall assessment of the impact of the corporation on our economy. Analysis of the corporation's demand for funds, internal and external sources of supply, and the costs to the firm. Prerequisite: Economics 13b or consent of the instructor. S.

37 Current Economic Theory

Analysis of contemporary economic research and theory. Open to economics majors in their junior year who have completed Economics 21b and 22b. Not open to seniors. S.

45 Seminar

Application of economic analysis to selected contemporary problems. By invitation. Prerequisite. Economics 37. F.

EDUCATION

Professor Reichert (Chairman); Lecturers: Mrs. Enthof, Mrs. Kirby,
Mr. Mortensen, Miss Slack, Mr. Sternig, Mr. Townsend

Requirements for Illinois Teaching Certificates

The requirements stated below, in addition to other graduation requirements, will qualify graduates for the regular Illinois teaching certificates and will also meet the standards of the North Central Association of Colleges and Secondary Schools. These requirements also meet the standards of most other states, but in order to be sure, the student who wishes to teach in another state should consult with the chairman. The State of Illinois requires that each candidate for certification pass an examination on the constitutions of the United States and of Illinois. This examination is given on the second Wednesday in May of each year, and at other times, upon request.

There is no major in education. Prospective teachers complete a major in one of the subject areas listed on page 28 of this catalogue. For those preparing for an elementary certificate, any major is appropriate.

For those preparing for a secondary certificate, any major except a few such as philosophy, religion, and psychology, which are not usually taught at the secondary level, is suitable. A minor is required. Minors must equal 24 semester hours except in foreign languages, mathematics, or music, in which 20 semester hours are required.

Biology majors must have a Chemistry minor.

Economics, Sociology, and Government majors must have two courses in each of the other departments and a History minor.

History majors must have a minor in Social Science including Economics, Sociology and Government.

ELEMENTARY CERTIFICATE (Kindergarten through Eighth Grade)

Art 21—Survey of the Visual Arts

Music 21—Introduction to Music Literature

Mathematics 11—Introduction to Mathematics (or competence demonstrated by examination)

History 22a—The United States (to 1877)
or Government 11—American National Government

Psychology 11—Introduction to Psychology

Geography 11—Principles of Geography or 12—World Regional Geography

Education 21—American Education
31—Educational Psychology
32—Reading and Arithmetic in the Elementary School
48—Supervised Teaching in the Elementary School (equivalent to 6⅔ semester hours credit).

The following courses are credited and are required for certification but will not be counted toward the graduation requirement:

Art Education 22—Methods of Teaching Art (not required for teachers of grades 4-8)
Science Education 26—Science in the Elementary School
Social Studies Education 27—Social Studies in the Elementary School
Physical Education 28—Methods of Teaching Physical Education and Health

SECONDARY CERTIFICATE (Seventh through Twelfth Grade)

History 22a—The United States (to 1877)
or Political Science 11—American National Government

Psychology 11—Introduction to Psychology
24—Tests and Measurements (if Education courses total less than equivalent of 18 semester hours)

Education 21—American Education
31—Educational Psychology
42—Principles and Philosophy of Secondary Education
43—Methods of Secondary Education (Winter of Senior year only)
49—Supervised Teaching in the Secondary School (Winter or Spring of Senior year only)

21 American Education

An introduction to American education, its control, support, content, and philosophy at all levels. F,S.

31 Educational Psychology

Child development, the psychology of learning, and problems of school adjustment. F,W,S.

32 Reading and Arithmetic in the Elementary School†

Methods of teaching reading and arithmetic in the elementary school. F.

42 Principles and Philosophy of Secondary Education†

A study of the secondary school for those who will teach in it. The curriculum, extra-curriculum, philosophy, and professional problems of teachers. F.

43 Methods of Secondary Education†

Methods of teaching in the secondary school. To be taken concurrently with Education 49. W.

48 Supervised Teaching in the Elementary School†

The entire morning will be spent in the cooperating school. Double course credit. W.

49 Supervised Teaching in the Secondary School†

Three or more hours per day will be spent in the cooperating school. (Sufficient time in observation and teaching will be scheduled to be equivalent to the usual five semester hours of credit.) W.

The following courses, required for certification, do not carry graduation credit, but will be given recorded credit on the student's academic record and should be added, one per term, to the normal three-course program.

Art Education

22 Methods of Teaching Art

The media and methods of teaching elementary school art. Required only for primary grade teaching. One-half course.

Physical Education

28a,b Methods of Teaching Health and Physical Education in the Elementary School

One-half course each. W,S.

Science Education

26 Science in the Elementary School

The content of the elementary school curriculum in science and methods of teaching. One-half course. F.

Social Studies Education

27 Social Studies in the Elementary School

The content of the elementary curriculum in social studies and methods of teaching. One-half course. S.

†Only students completing certification requirements for the State of Illinois or some other state may count this course toward the graduation requirement.

ENGLISH

Professors Hutcheson, †Milne, Voss (Chairman); Associate Professor Cowler; Assistant Professors Bennett, Hentz; Mr. Beal, Mr. Ellis, Mrs. Marisic

The major includes English 21a,b (both of which should be taken in the sophomore year); 31a,b; and one course from each of the following three groups: (1) 32; 33; 34a,b; 35; 36; (2) 37a,b; (3) 38; 39 a,b,c. English 11 is a prerequisite to all other courses offered in the department.

11 Introduction to Literature
Analysis of literary types (poetry, drama, short story, novel), with frequent writing assignments. F,W,S.

21a,b English Literature
Readings in representative writers of the various periods from Anglo-Saxon times to the present, with lectures on their place in the general history of English Literature. FW and WS.

25 Expository Writing
The principles of clear and effective expository writing as they apply to the needs of students enrolled in the course. Extensive writing practice with individual conferences. S.

26 Narrative Writing
The techniques of fiction writing. Practice in writing short narratives with individual conferences. W.

31a,b American Literature
The principal tendencies in American writing from Colonial times to the present, with emphasis on the major writers. FW and WS.

32 Chaucer
The chief works of Chaucer and of some of his contemporaries with emphasis on their backgrounds in medieval life and thought. S. (In alternate years. Offered in 1965-66.)

33 English Literature of the Sixteenth Century
Spenser, Marlowe, and other poets, prose writers and dramatists of the English Renaissance, exclusive of Shakespeare. F. (in alternate years. Offered in 1965-66.)

34a,b English Literature of the Seventeenth Century and Eighteenth Century
(a) Poetry, prose and drama of Donne, Jonson, Milton and other representative writers. (b) The principal neo-classical writers, including the Restoration dramatists, Dryden, Pope, Swift, Johnson. FW.

35 The Romantic Period
The poetry and prose of Coleridge, Wordsworth, Lamb, Hazlitt, Byron, Shelley, Keats, and others. F.

36 Victorian Literature
The major poets and essayists, including Carlyle, Newman, Huxley, Arnold, Browning, and Tennyson. S.

†Sabbatical Leave of Absence, 1964-65.

37a,b Shakespeare
About a dozen plays and some sonnets are read in each course, with an intensive analysis of King Lear in 37a and of Hamlet in 37b. FS.

38 The English Novel
Representative works by major novelists from Defoe to Conrad. W.

39a,b,c Modern Literature
(a) Continental, British and American drama from Ibsen to the present, with special emphasis on Shaw and O'Neill. WS. (b) Works by Joyce, Proust, Mann, Faulkner, Hemingway and other Twentieth-Century novelists and short-story writers. FS. (c) British and American poetry since 1900, with emphasis on Yeats, Eliot, Auden, Dylan, Thomas and other major figures. W.

45a,b Seminars
Seminars in (a) English literature and (b) American literature. FW.

FINE ARTS

†Professor Schulze; Assistant Professors Bowen, Converse, Kirby; Lecturers: Mr. Gulbrandsen, Mr. Huhn, Mr. Pounian; Mrs. Bauer, ‡Mr. Zander

Art History

The major is in art history. One course in studio art is required in addition to the minimum number of courses in art history.

21 Introduction to the Visual Arts
The study of artistic style in the visual arts as a manifestation of Western culture from antiquity to the present day. FWS.

22 History of Architecture
The evolution of architectural style, thought, and technology from antiquity to the present day. S. (In alternate years. Offered in 1965-66.)

23 Ancient and Medieval Art
Painting and sculpture from the ancient civilizations of Egypt and Mesopotamia through the thirteenth century Gothic culture of France, Germany, and England. S. (In alternate years. Offered in 1964-65.)

31 Northern Art of the Late Gothic and Renaissance
Painting, sculpture, and the graphic arts of the Low Countries, Germany, and France from the late fourteenth through the sixteenth century. F. (In alternate years. Offered in 1965-66.)

32 Italian Art of the Early Renaissance
Painting and sculpture in Italy from the late thirteenth through the fifteenth century. F.

33 Italian Art of the Sixteenth Century
Painting and sculpture by the High Renaissance and Mannerist artists of Italy, with special emphasis on developments in Rome, Florence, and Venice. W.

34 Seventeenth and Eighteenth Century Art
Painting and sculpture in Italy, France, Spain, Germany, England, and the Netherlands from 1580 to 1780. S. (In alternate years. Offered in 1964-65.)

†Sabbatical Leave of Absence, 1964-65.
‡Part-time Teaching, 1964-65.

35 Nineteenth Century Art

French painting and sculpture from David to the Post-Impressionists, with some consideration given to developments in England, Germany, and the United States. W.

36 Twentieth Century Art

Painting and sculpture in Europe and the United States from Post-Impressionism to the present day. S.

37 Modern Architecture

The history of architecture in Europe and the United States from the eighteenth century to the present day. F. (In alternate years. Offered in 1964-65.)

45 Seminar

W.

Studio Art

11 Studio Art

Creative work in drawing and painting, emphasizing fundamental problems in figure, still-life and landscape, and frequently employing experimental approaches and assignments in design. Students who complete one year of instruction will receive credit for one course. Classes are organized on the basis of the students' various levels of development. F,W,S.

Dramatic Art

A major in Dramatic Art is not offered.

21 Introduction to the Theatre

A background course in modern theatre practice, emphasizing the many aspects of play production and play selection. Stagecraft laboratory is required. F.

22 The Art of the Actor

Various theories of acting in the modern theatre from Delsarte to the present. An opportunity is provided each student to put these theories into practice. Stagecraft laboratory is required. F.

31 History of the Theatre

The theory and mechanics of the drama beginning with ancient man and continuing to the modern period. Inquiry into the playwright's art, as well as study of the productions of the plays themselves as they have been staged. F.

32 Theatrical Producing and Directing

The principles and techniques of the director's art. Each student produces and directs a play as part of the application of production theory. S.

33 Advanced Acting

Principles and techniques of acting for the student who has had previous experience and/or training in this field. Conferences and acting demonstrations are emphasized. W.

34a,b, History of Drama in the Western Tradition

WS. (In alternate years. Offered in 1964-65.)

Music

The major includes Music 21; 22a,b,c; 31; and three of the following: 33, 34, 35a and b, 36, 37.

21 Introduction to Music Literature

Musical styles and media of performance with emphasis upon listening. No previous knowledge of music required.

22a,b,c Music Theory

Basic vocabulary: scales, intervals, triads, seventh chords, inversions of chords, altered chords. Modulation with emphasis upon four-part harmony, analysis, sight-singing and ear training, keyboard; original work based on examples from music of the eighteenth and nineteenth centuries. FWS. (In alternate years. Offered in 1965-66.)

31 Counterpoint

Contrapuntal principles of late Renaissance and Baroque music. W. (In alternate years. Offered in 1964-65.)

32 Advanced Music Theory

Techniques of modern harmony and counterpoint. Written projects and study of contemporary scores. (In alternate years. Offered in 1965-66.)

33 Music in the Middle Ages and Renaissance

Music from the Gregorian chant to the end of the sixteenth century. (In alternate years. Offered in 1965-66.)

34 Music in the Baroque Period

Representative composers from 1600 to 1700 with special attention to Bach. W. (In alternate years. Offered in 1964-65.)

35a,b Music in the Classic and Romantic Eras

Stylistic traits in the eighteenth and early nineteenth centuries with emphasis on the works of Haydn, Mozart, and Beethoven in the first term. In the second term, representative nineteenth century romantic composers: Shubert, Schumann, Liszt, Brahms, and Wagner.

36 Twentieth Century Music

Trends, techniques and leading composers of modern music. W. (In alternate years. Offered in 1964-65.)

37 History of Opera

The literature, performance and analysis of the world's great operas. F. (In alternate years. Offered in 1964-65.)

45 Seminar in Music History

S.

Applied Music

11 Private Instruction

Private instruction in voice, piano and organ. One-half hour lesson and six hours of practice per week are expected. Students who complet one year of instruction will receive credit for one course.

FOREIGN LANGUAGES

*Professors Dilkey (Chairman), **Williams; Assistant Professors Carrubba, Neumann; Mr. Farrell, Mrs. Farrell, Miss Henkels, Mrs. Hughes, Mr. Rossol, Mrs. Saltoun, Mr. Speros, Mrs. Wilton*

The first year course in any language does not count toward a major. The minimum major requirement will be reduced by the equivalent number of terms of course work taken in secondary school.

The final term course in the first year of foreign language must be completed in order to receive credit for preceding terms taken. One year of secondary school language is assumed to be approximately equivalent to one term of college language and students who have secondary school credit in a language will not be given credit for the equivalent number of terms of the same language taken in college if they should elect to repeat such work.

French

(French 11a,b,c and 21a,b, or the equivalent are prerequisites to all other courses in French.)

11a,b,c Beginning French

Basic grammar, pronunciation, vocabulary building, simple reading. The equivalent of two days per week will be devoted to conversation and composition. FWS. (11c is also offered in the Fall Term.)

21a,b Intermediate French

Reading and discussion of important literary works; grammar review and conversation twice a week. FW and WS.

22 Composition

Intensive training in oral and written expression. Recommended for students intending to register in the literature courses which follow. F,S.

31 Seventeenth Century Literature

The classical period with special emphasis on the dramas of Corneille, Racine, and Molière. S.

32 Eighteenth Century Literature

The Age of Enlightment, with special emphasis on Montesquieu, Diderot, Voltaire, and Rousseau. F. (In alternate years. Offered in 1965-66.)

33a,b Nineteenth Century Literature

Romanticism—the poetry, drama, and fiction of the first half of the nineteenth century, followed by Realism and Naturalism—the poetry, drama, and fiction of the second half of the nineteenth century. WS. (In alternate years. Offered in 1965-66.)

34a,b Twentieth Century Literature

The first generation—Proust, Gide, Claudel, Colette, the Surrealists and others followed by the later writers to the present—Cocteau, Giraudoux, Montherlant, Sartre, Camus, Anouilh and others. (In alternate years. Offered in 1964-65.) FW.

**Research Professor of Spanish.

41 Advanced Composition and Conversation

Advanced grammar review; composition with some emphasis on style. Required of majors planning to teach French. (Offered as required.)

45 Seminar

German

(German 11a,b,c and 21a,b, or the equivalent are prerequisites to all other courses in German.)

11a,b,c Beginning German

Basic grammar, pronunciation, vocabulary building, simple reading. The equivalent of two days per week will be devoted to conversation and composition. FWS.

21a,b Intermediate German

Readings in literature, cultural history, biography and science. Exercise in oral expression through discussion in German of subject matter covered in reading. FW.

22 Composition

Intensive training in oral and written expression. Recommended for students intending to register in the literature courses which follow. S.

31a,b Nineteenth Century Literature

Dramatic writing since Goethe: Tieck, Kleist, Grillparzer, Hebbel, Ludwig, Hauptmann. Prose writing: Novalis, Hoffmann, Eichendorff, Heine, Gotthelf, Stifter, Keller, Storm, Meyer, Fontane. WS. (In alternate years. Offered in 1964-65.)

32a,b Twentieth Century Literature

The eras of Naturalism, Impressionism, Expressionism and the "Neue Sachlichkeit." Hauptmann, Mann, Schnitzler, Hofmannsthal, Rilke, Hesse, Kafka, Bergengruen, Brecht. Literary work since the Weimar Republic. "Blut und Boden" writers, the postwar realists. FW. (In alternate years. Offered in 1965-66.)

41 Advanced Composition and Conversation

Required of majors planning to teach. Free composition; advanced grammar review. (Offered as required.)

42a,b Eighteenth Century Masterworks

Intensive readings and analysis of outstanding writing of Lessing, Goethe, and Schiller. Independent study with papers on individual reading. F. (42b only given in 1964-65.)

45 Seminar

Greek

11a,b,c Beginning Greek

Morphology and syntax of Attic Greek. FWS.

21a,b Intermediate Greek

Plato: The *Apology* and minor dialogues; Homer: selections from the *Iliad* and the *Odyssey*. FW.

Latin

(Latin 11a,b,c and 21a,b or the equivalent are prerequisites to all other courses in Latin.)

11a,b,c Beginning Latin
Basic grammar, vocabulary building, selected reading on Roman prose writers. FWS.

21a,b Intermediate Latin
Vergil's *Aeneid* and the love verse of Tibullus, Propertius, and Ovid. FW.

31 Roman Lyric Verse
Catullus and Horace.

33 Roman Comedy
Plautus and Terence.

34 The Reign of Nero
Tacitus and Seutonius.

35 Vergil and Lucretius
The pastoral and didactic poems of Vergil and *De Rerum Natura* of Lucretius.

36 Imperial Prose
The *Satyricon* of Petronius and the *Epistulae* Morales of Seneca.

37 Roman Satire
Horace, Juvenal, and Martial.

45 Seminar

Russian

Russian 11a,b,c and 21a,b are prerequisites to all other courses in Russian.

11a,b,c Beginning Russian
Basic grammar, pronunciation, vocabulary building, simple reading. The equivalent of two days per week will be devoted to conversation and composition. FWS.

21a,b Intermediate Russian
Graded reading of selected Russian writers, and in regional biography and cultural history. FW.

22 Composition
Intensive training in oral and written expression. Recommended for students intending to register in the literature courses which follow. S.

30 Russian Short Stories
Evolution of the short story through the Russian literary past, encompassing stories by Gogol, Krilov, Tolstoy, Chekov, Pautovski. S.

31a,b,c Nineteenth Century Literature
Readings from Turgenev, Lermontov, Krilov, Chekov, Pushkin, Tolstoy, and Dostoyevsky. FWS. (In alternate years. Offered in 1964-65.)

32a,b Soviet Literature
(Offered in 1965-66.) FW.

41 Advanced Grammar
Review; composition with some emphasis on style. Required of majors planning to teach Russian. (Offered as required.)

45 Seminar

Spanish

(Spanish 21a,b or the equivalent are prerequisites to all other courses in Spanish.)

11a,b,c Beginning Spanish
Basic grammar, pronunciation, vocabulary building, simple reading. The equivalent of two days per week will be devoted to conversation and composition. (11a,b are not offered in 1964-65. 11c is offered in the Fall Term.)

21a,b Intermediate Spanish
Writers of recent periods. Grammar and conversation. FW. and WS.

22 Composition
Intensive training in oral and written expression. Recommended for students intending to register in the literature courses which follow. F,S.

32 Nineteenth Century Literature
Study of the genres within Costumbrismo, Romanticism, Religionism. S. (In alternate years. Offered in 1965-66.)

33a,b Twentieth Century Literature
Generation of '98; poetry, novels, essays, in the first term. Post-generation '98; poetry, novels, drama of such men as Pedro Salinas, Jorge Guillé, García, Lorca, Camilio José Cela, in the second term. FW. (33a offered in 1964-65; 33b offered in 1965-66.)

34a,b Spanish American Literature
Literature of the Conquest, Colonial Period and first half of the 19th century in the first term; literature of the second half of the 19th century and the 20th century in the second term. WS. (In alternate years. Offered in 1965-66.)

35a,b Medieval and Golden Age Literature
FW. (Offered in 1964-65.)

41 Advanced Composition and Conversation
Advanced grammar review; composition with some emphasis on style. Required of majors planning to teach Spanish. S. (Offered as required.)

45 Seminar

GEOGRAPHY

11 Principles of Geography
An introduction to geography including a study of land, water, air, the distribution of plant and animal life, man and his industries and the interrelations of these factors. F.

12 World Regional Geography
A survey of the geographical regions of the world with particular emphasis upon North America and the United States. S.

GOVERNMENT

Professors ‡Hartzo, Steamer (Chairman); Associate Professor Tinder; Assistant Professor Schick; Mr. Mead

The major includes Government 11; 25a,b; 31a,b; 33a,b; 35. Mathematics 15 (Elementary Statistics) is a recommended elective for students who major in government. Government 11 is a prerequisite for all advanced courses in the department.

Students majoring in Government may elect a concentration in International Relations by substituting Government 36, 38, 41, 46 for Government 31a,b and 33a,b. A minimum total of nine courses in Government is required. Six courses must also be elected from Economics 11, 12, 21a, 22a, 32; History 21a and b, 22b and c, 33a and b, 34, 35, 38; Sociology and Anthropology 34 a,b and c. The 22 course in a modern foreign language is also required.

11 American National Government
Theoretical and institutional analysis of the American constitutional system. F,W,S.

22 Metropolitan Government
Structure, powers, and intergovernmental relationships. W.

23 Political Parties
American parties, pressure groups, and electoral problems. S.

25 The Government of Great Britain
The government and politics of Great Britain. W.

26 Comparative Government
The government and politics in France, Russia, and Germany. F,S.

31a,b American Constitutional Law
Scope and distribution of powers in the federal system in the first term, followed by limitations on governmental power (civil liberties) the second term. FW.

32 Public Administration
Organization, procedures, and functions of governmental departments and other agencies, mainly national. Prerequisite: Political Science 11 or permission of instructor. F. (In alternate years. Offered in 1965-66.)

33a,b History of Political Ideas
From Plato to the present. WS.

34 American Political Thought
From the colonial period to the present. F. (In alternate years. Offered in 1963-64.)

35 International Relations
Approaches to the problem of peace. S. (In alternate years. Offered in 1963-64.)

36 International Organizations
The United Nations and such regional organizations as NATO and the Organization of American States. W.

38 Conduct of American Foreign Relations
Powers and forces affecting the conduct of foreign relations. S. (In alternate years. Offered in 1964-65.)

41 International Law
The legal relationships of states. W. (In alternate years. Offered in 1965-66.)

45 Seminar
Readings and discussion related to a specific topic. 3.

‡Part-time Teaching, 1964-65.

HISTORY

Professors Hantke (Chairman), Pese; Associate Professor Sproat; Assistant Professors Huggins, Kren; Mr. Calkins

The major includes History 21a,b; 22a,b; and 36.

21a,b Europe
From 1789 to 1870 in first course; from 1870 to 1914 in second course. FW and WS.

22a,b The United States
Settlement and expansion from beginning to 1877 in first course and from 1877 to 1939 in second course. FW and WS.

23 The American Economy
Economic growth of the United States from colonial times to the present. W.

24 Social Change in America
An analysis of changing values and conditions in American life, through the intensive study of the literature of American history. S. Prerequisites: History 22a,b or permission of the instructor.

31a,b Ancient Civilizations
Ancient Egypt, Greece, and Rome. FW.

32 Medieval Europe
Political, social, and cultural institutions from the decline of the Roman Empire to the Reformation. S.

33a,b English History
England in 1688 in the first course; modern England from 1688 to the present in second course. WS.

34 Modern Russia
S.

35 The Far East
Rise of modern China and Japan, and their relations with western powers. F.

36 Historiography
Elements of historical research. F.

38 Twentieth Century Europe
World War II: background, political and military events, and results or consequences.

39 Recent American History
Major political, social and economic institutions of contemporary America. F,S.

41a,b American Intellectual History
Main intellectual currents in American history, as expressed in political and economic thought, theology, science, philosophy, and literature. Prerequisites: History 22a,b or English 31a,b or permission of the instructor. WS.

42 America in the Modern World
The changing attitudes and behaviour of the United States in its formal and informal world relations, with special emphasis on the impact of the twentieth century revolutions on American foreign policy. Prerequisites: History 21a,b or 22a,b or permission of the instructor. F.

46 Seminar: American Studies
F,S.

47 Seminar: European Studies

48 The History of Historical Writing
The study of the historical thought of the major American and non-American historians. W.

INTERNATIONAL RELATIONS

See the Departments of Economics and Government. Students who have already begun a major in International Relations may change to one of the programs offered in these departments or may follow the major course of study given on p. 26 of the 1963-64 Lake Forest College catalogue.

MATHEMATICS AND ASTRONOMY

Associate Professor Burton (Chairman); Mr. Ballabh (Visiting Lecturer); Assistant Professor Smith; Miss Bopp

Mathematics

The major includes Mathematics 12b; 21a,b,c; 31; 32a,b; 34. Mathematics 11 and 12a are not included in the major.

11 Introduction to Mathematics

The fundamental concepts with attention to their logical relationship, historical development, and relationship to other fields of study. Prerequisite: One and one-half years of secondary school algebra, and one-half year of secondary school geometry. (This is normally a terminal course, but students may continue with Mathematics 12a or in case of an honor grade, with Mathematics 12b).F,S.

12a,b Basic College Mathematics

College algebra and an introduction to trigonometry and plane analytic geometry in the first term, and more plane trigonometry and analytic geometry and an introduction to calculus in the second term. This course is intended for students who are planning to major in mathematics, physics, or chemistry or who for other reasons want an intensive course. Prerequisite: Three years of secondary school mathematics or Mathematics 11. (Students with more than three years of high school mathematics may be able to begin with 12b or even with 21a.) F,W. and W,S.

15 Elementary Probability and Statistics

Descriptive statistics, elementary probability, distributions, sampling, statistical inference, regression and correlation, and other topics. Prerequisite: Two years of secondary school algebra or Mathematics 11. F,W.

21a,b,c Calculus with Analytic Geometry

The fundamentals of calculus, a continuation of plane analytic geometry, and solid analytic geometry with geometrical and physical applications. Infinite series, partial differentiation and multiple integration. Prerequisite: Mathematics 12b. FWS.

31 Differential Equations

The solution of ordinary differential equations with attention to applications. Prerequisite: Mathematics 21c. F.

32a,b Advanced Calculus

In the first term, elementary topology, the theory of real functions of several variables, uniform convergence, the gamma function, implicit and inverse functions, Jacobians, multiple integrals and surface area, extremal properties and Lagrange multipliers, vectors and geometrical applications, and improper integrals.

In the second term, the foundations of the real and complex numbers and of set theory, connectedness and the Jordan curve theorem, the Riemann-Stieltjes integral, Jordan content and outer Lebesque measure, infinite series and products, sequences of functions, Fourier series and integrals, and the fundamentals of analytic functions of a complex variable. Prerequisite: Mathematics 31. WS.

34 Modern Algebra

The number system, Euclidean algorithm, congruences, polynomials, mathematical groups, rings, fields and matrices. Prerequisite: Mathematics 21c. W.

35 Linear Algebra

Finite dimensional vector spaces, vector products, linear independence, bases, and applications to geometry and differential equations and advanced calculus. Prerequisite: Mathematics 21c. (In alternate years. Offered in 1964-65.) S.

36 Higher Geometry

Conic sections, coordinate transformations, solid analytic geometry, and an introduction to projective, non-Euclidean, and differential geometry. Prerequisite: Mathematics 21c. (In alternate years. Offered in 1964-65.) F.

37 Mathematical Probability and Statistics

Sample spaces, distributions, law of large numbers, central limit theorem, random variables, generating function, runs, sampling, estimation, hypothesis testing, confidence methods, and regression analysis. Prerequisite Mathematics 21c. (In alternate years. (Offered in 1963-64.) S.

45 Seminar

The topics depend on the interest of the students, and the course prepares for Senior Thesis. Prerequisite: Mathematics 32b and Mathematics 34. F.

Astronomy

11a,b General Astronomy

Causes of the seasons, eclipses, tides, phases of the moon, and stellar, planetary, and lunar motions; the calendar, determination of time, the telescope, the sun, planets and satellites, comets and meteors; theories about the origin development, and structure of the stars and galaxies. Prerequisite: Mathematics 12a or the equivalent. WS. (In alternate years. Offered in 1964-65.)

PHYSICAL EDUCATION

Assistant Professor Wasylik (Chairman); Mr. Hanke, Mrs. Jauch, ‡Mrs. Mahanes, Mr. Triptow

Freshman students normally register for physical education activity during the Fall Term. During this term the department will determine the level of physical fittness and proficiency in certain points. Those students who are considered to be physically fit and who show proficiency in two sports, of which at least one must be an individual sport, will be considered as having fulfilled the College requirement in physical education activity.

The course entitled "Methods of Teaching Physical Education and Health in the Elementary School" is described on page 37 of this catalogue.

‡Part-time Teaching, 1963-64.

PHILOSOPHY

Professor Sharvy (Chairman); Assistant Professor Kalas;
Mr. D'Abbracci, Mr. Hansen, Mr. Tursman

The major includes philosophy 21; 23; 31a,b,c. Philosophy 21 is a prerequisite for all other courses in the department.

21 Introduction to Philosophy

Traditional logic as a tool for the reading of classic texts dealing with philosophical problems in religion, morality, art, and science. F,W,S.

22 Symbolic Logic

Deductive systems, modern methods of notation, computer applications. W.

23 Ethics

Morality and its concepts of good and bad, right and wrong. S.

31a,b,c History of Philosophy

Greek and Medieval; 16th, 17th, and 18th centuries; 19th and 20th centuries. Emphasis on problems of reality and knowledge. Prerequisite for 31c: Philosophy 31b. FWS.

33 Classics of Philosophy

Concentration on one of the following philosophers: Plato, Aristotle, Aquinas, Hume, Kant. S.

35 Philosophy of Science

Scientific method, causality, induction, the role of theory, and the meaning of scientific explanation. S.

36 Philosophy of Religion

God and his relation to the world and to man; the relation of faith to reason; the problem of evil. F.

37 Philosophy of Art

The nature of a work of art, esthetic experience, artistic creation, relation of art to nature, and the basis of art criticism. W.

41 History of Modern Thought

Historical, philosophical, and scientific foundations of modern political and economic thought. F,W,S.

45 Seminar

S.

PHYSICS

Professor Jensen (Chairman);
Associate Professor Donnally; Assistant Professor Jeong

The major includes 11a,b,c or 12 a,b,c; 21; 22.

11a,b,c General Physics

The fundamental laws and principles of physics. Competency in algebra and trigonometry is assumed. Four classes and one three-hour laboratory per week. FWS.

12a,b,c General Physics

The same topics as Physics 11 except that calculus is used. Four classes and one three-hour laboratory per week. Prerequisite or co-requisite: Mathematics 21a,b. FWS.

21 Atomic and Molecular Physics

The structure of atoms and molecules from the view point of theory and experiment. Special relativity. Four classes and one three-hour laboratory per week. Prerequisite: Physics 11c or 12c and Mathematics 21a,b. The latter may be taken concurrently. F.

22 Nuclear Physics

The properties and structure of the nucleus as deduced from nuclear reactions. Nuclear models. Four classes and one three-hour laboratory per week. Prerequisite: Physics 21 and Mathematics 21a,b. The latter may be taken concurrently. W.

23 Thermodynamics

The fundamental ideas of temperature, heat, and reversibility; some emphasis on statistical methods. Prerequisites: Physics 11c or 12c and Mathematics 21a,b (Calculus). S.

24 Electronics

Thermionic, photoelectric, and solid state devices and their applications in rectifiers, oscillators and trigger circuits. Three classes and two two-hour laboratories each week. Prerequisite: Physics 11c or 12c and Mathematics 21a,b, (Calculus). S.

31a,b Electricity and Magnetism

Classical electricity and magnetism leading up to an including Maxwell's Equations. Four classes and one three-hour laboratory per week. Prerequisite: Physics 22 and Mathematics 31 (Differential Equations). The latter may be taken concurrently. FW.

32 Physical Optics

Electromagnetic waves related primarily to optical phenomena. Some attention to longer waves. Four classes meetings and one three-hour laboratory each week. Prerequisite: Physics 31 and Mathematics 31 (Different Equations). S.

41a,b Analytical Mechanics

Mathematical physics in the field of mechanics culminating in the Lagrangian and Hamiltonian formulations. Five classes per week. Prerequisites: Physics 31 and Mathematics 31 (Differential Equations). FW.

45 Seminar

S.

PSYCHOLOGY

Professor Forgus (Chairman);
Assistant Professors Goldstein, Krantz, Peterson, Rains, Spies;
Mr. Spaner (Lecturer)

The major includes Psychology 11; 21; 31; 32; 33; 41; 44; 45. (Pyschology 11 is a prerequisite to all other courses in the department.)

11 Introduction to Psychology

A cross-sectional approach to the basic principles of behavior, including development, learning, sensory physiology, perception, thinking, motivation, emotion, measurement, intelligence, personality and social interaction. F,W,S.

21 The Development of Personality

A developmental approach to human behavior, emphasizing child development, and stressing the reconstruction between experimental and clinical methods. F,W,S.

22 Analysis of Social Behavior

Application of psychological principles to the understanding of group behavior, social conflict, and industrial organization, with special emphasis on specific research problems and tools. S.

24 Tests and Measurements

The essentials of psychological testing and an introduction to statistical methods. F.

31 Experimental Design and Statistics

Experimental design, statistical inference, quantitative methods, and apparatus use. W.

32 Learning

Experimental and theoretical analysis of learning, including a treatment of the physiological concomitants of behavioral organization. Prerequisite: Psychology 31. F.

33 Motivation

Experimental and existential analysis of the origin and arousal of motives, including a coverage of emotions, conflict, frustrations, guilt, and anxiety. Prerequisite: Psychology 21. S.

35 Abnormal Personality

Origins, treatment, and case studies of the common behavior disorders. Prerequisite: Psychology 21. W.

36 Experimental Research

Emphasis is on original research by the student. Prerequisite or concurrent registration: Psychology 31. S.

37 Physiological Psychology

A survey of the physiological mechanisms important in sensation, perception, motivation, and reflex and learning behavior. Some demonstrations with live preparations. Prerequisites: A course in biology or permission of the instructor or Psychology 31. S.

41 Modern Psychology in Historical Perspective

Contemporary systematic psychology in the light of its historical emergence from the philosophical movements mainly in Britain and Germany. Prerequisite: Psychology 11 and Senior standing. F.

44 Cognitive Processes

Principles of the development and organization of perception, learning, and thinking with emphasis on their interrelationship. Prerequisite: Psychology 31. W.

45 Seminar on Current Problems and Theory

Critical analysis of contemporary research and theory in psychology with a view toward integration and prognosis. (Open to Psychology majors only.) Prerequisite: Senior standing. S.

RELIGION

Professors Bartlett (Chairman), Smucker;
Assistant Professor Kalas; Mr. Crowell, Mr. Zenner

The major includes Religion 21, 22.

21 Old Testament

The character of the Hebrew religion, its development in relation to the history of Israel, and forms of its expression in literature. F,W,S.

22 New Testament

The life of Jesus, the rise of the early church and expressions of its faith. F,W.

24a,b,c History of Christian Thought

Principal trends and major thinkers in the development of Christian theology. (a) Apostolic, patristic, and medieval thought; (b) theological developments from the Reformation into the nineteenth century; (c) Recent thought. (There is no prerequisite for any term of this course.) FWS.

27 Christian Ethics

Basic issues relating to Christian conduct: revelation and natural law, love and justice, perfectionism and relativism; application to concrete contemporary problems in the social order. F,S.

31 Living Religions

Some of the major religious traditions of the world, with readings in their scriptures. S.

32 Religion in America

The historical development of religion in America and the interplay of religious, social, and cultural factors. Special attention to the rise of religious pluralism. Prerequisite: One of the courses on the sophomore level (numbered in the twenties.) W. (In alternate years. Offered in 1962-63.)

33 Judaism

Historical development and structure of Jewish religious life and thought. Prerequisite: Religion 21. W. (In alternate years. Offered in 1965-66.)

36 Philosophy of Religion

(See Philosophy 36.) F.

SOCIOLOGY AND ANTHROPOLOGY

Associate Professors Mills, Roos; Mr. Gerasimo (Acting Chairman), Mr. Zenner

The major includes one of the following sequences: In sociology, Sociology and Anthropology 11, 22, 31, 32, 33, 42, 43; in anthropology, Sociology and Anthropology 11; 21; 32; 34a,b,c; 44. Students who contemplate graduate work in Sociology or Anthropology are urged to elect Mathematics 15 (Elementary Statistics). Sociology and Anthropology 11 is a prerequisite to all other courses in the department.

11 Human Society

Organized around four classes of questions: the biosocial nature of man; the universal characteristics of human societies; the variations from one society to another; and the nature of the change from precivilized to civilized society. F,W,S.

21 Primitive Society

A critical analysis of the distinctive generic features of primitive society as an ideal type, with special emphasis on significant differences and similarities between food-gatherers and hunters of prehistory and those of our times. W.

22 Civilized Society

A critical analysis of the distinctive generic features of civilized society as an ideal type, with special emphasis on the origins, concomitants and consequences of agricultural, urban and industrial revolutions. F.

31 Work and Leisure

Comparative study of the patterns of work and leisure in "folk," "urban," and "mass" societies; of the transition from work for survival, work as vocation, to work for leisure; of relation to family, social class, power, technology, bureaucracy, values, beliefs, and ideologies. F.

32 Religious and Political Institutions

Comparative study of the role of folkways, mores, laws, power, authority, ritual, myths, beliefs, ideologies, and knowledge in "folk," "urban," and "mass" societies. W.

33 Education and the Family

Comparative study of process of becoming a person in 'folk," "urban" and "mass," societies with emphasis on role of family, education, social class, national character, urbanization, and industrialization. S.

34a,b,c Peoples and Cultures of the World

The course is designed to help the student grasp the relative importance and meaning of cultural differences and similarities analyzed from one society to another in terms of technology and economy, population pressures (demography), kinship and non-kinship categories of socio-political organization, culture and personality, language and culture, folklore, art and religion, and other manifestations of the world view and ethos.

The first term deals with Asia and Europe with emphasis on Asia; the second term, with Africa with emphasis on the transition from colonialism to independence; the third term, with Australia, Oceania, and the Americas with emphasis on the native,

pre-European people of the Americas and their interaction with later settlers and conquerors. FWS.

42 The Group and the Person

Theory and research in problems of personality and social structure, personality and culture, personal influence, elementary social behavior, small groups, and socialization. F. Prerequisite: Sociology and Anthropology 33.

43 Social Structure

Theory and research in problems of demography, urbanization, race and ethnic relations, social class, social differentiation, occupations, and bureaucracy. W. Prerequisite: Sociology and Anthropology 31.

44 Culture

Theory and research in problems of the science and evolution of culture and of culture and its relation to man's biosocial, psychological, natural environmental and historical dimensions. S. Prerequisite: Sociology and Anthropology 32.

45 Seminar

SPEECH

11 Public Speaking

WESTERN CIVILIZATION

Professor Sharvy (Chairman); Staff

11a,b,c Western Civilization

An exploration of the background of western civilization through the study of the institutions, thought, and literary expression of Greece and Rome, and of medieval and modern European society. Lectures, small discussion groups, and the writing of frequent papers, which are discussed in individual conferences. FWS. (Required of all freshmen).

CULTURAL EVENTS ON CAMPUS

1962-63

September	25	Opening Convocation, President William Graham Cole
	26	Operalogue, "Nabucco" by Verdi, moderated by Professor Marvin C. Dilkey, with recordings.
	29	Folk sing Concert: George and Gerry Armstrong
October	2	"How Religious is America?", Professor Franklin H. Littell, Professor of Church History, Chicago Theological Seminary
	3	Operalogue, "Othello", Professor Marvin C. Dilkey
	6	Film Series: "Last Year at Marinbad"
	8	Lecture: "The Making of a Poem", Professor Hollis Summers, Danforth Visiting Professor
	10	Operalogue, "Faust", by Gounod, Professor Marvin C. Dilkey
	11-12	Conference: Religion and Contemporary Literature: Theme: Race Relations; "The Nature of the Negro Revolt" by Mr. Edwin C. Berry, Executive Director, Chicago Urban League, Mr. Hoke Norris, Literary Critic, CHICAGO SUN-TIMES and Mr. Studs Terkel, WFMT interviewer-Commentator and contributor to PERSPECTIVE. "A Rebel at Oxford", by Mr. Studs Terkel. Panel: "The Crisis in Chicago"
	14	Lecture: "Ideology of Karl Marx" by President William Graham Cole
	19	Folksingers: "The Wanderers Three" Homecoming Weekend
	22	Lecture at Convocation: "Conformity: the Pros and Cons" Professor Brand Blanshard, Yale University
	28	Lecture: "Communist Revolution in Russia" by President William Graham Cole
November	6	Gymnastic Exhibition: Ollerup Gym Teachers
	7	Lecture: "The Democratic Prospect in the United States" by Professor Ralph Gabriel, Sterling Professor of History and Fellow of Trumbell College Emeritus, Yale University
	7,8,9	Garrick Play: *"The Crucible"* by Arthur Miller
	10	Piano Recital: James Miltenberger
	11	Lecture: "Ideology at Home: The USSR 1917-1963" by President William Graham Cole
	13	Convocation: "Drowning Peter" by Professor Helmut Thielicke, German Theologian and Philosopher
	17	Film Series: "Potemkin" Recital of African Music by Mr. Derrick Gondwe
	20	Lecture: "Dilemmas of American Foreign Policy" by Hans J. Morgenthau, Professor of Political Science, University of Chicago
	23	Film Series: "Night of the Hunter"
	25	Lecture: "Ideology Abroad, Soviet Foreign Policy and International Communism 1917-1963" by President Cole
December	1	Film Series: "The Magician"
	5	Christmas Concert: College Choirs
	6	Lecture and Discussion: "Aspects of Totalitarianism" by Professor Hannah Arendt, Visiting Professor, University of Chicago

January	8	Concert: Fine Arts Quartet
	11	Film Series: "The Quiet One", "The Red Balloon", "Fatal Glass of Beer"
	12	Film Interview: Malcom X, Martin Luther King and James Baldwin
	12	Intercollegiate Sing
	15	Film Series: "Seven Seals"
	15	Lecture: "Buonaparte and the American Economy" by Professor George J. Stigler, Professor at University of Chicago
	18	Lecture: "Mental Retardation" by the Reverend Raymond Day, Head Resident, Beacon House, Chicago
	23	Photography Exhibit: Contemporary photographs from Metropolitan Museum collection
	24	Lecture: "Photography in the Fine Arts" by Mr. Ivan Dmitri of New York City, noted photographer
	25	Film Series: "Quiet One", "Red Balloon", Courtship of a Newt"
	27	Faculty Lecture Series: "Adaption Phenomena in Human Vision" by Professor Jack Rains
	30	Concert: Oberlin College Wind Ensemble
February	2	Lecture: "Florence and the Medici" by Professor Helmut Wohl, Cooper Union
	5	Lecture: "The Personal Elements in Modern Poetry" by Professor Ralph Mills, University of Chicago
	8	Film Series: "L'Aventura" and "Muscle Beach"
	9	Lecture: Poetry reading by Mr. James Dickey
	10	Film Series: "Road to the Wall"
	10	Faculty Lecture Series: "The Politics of Nostalgia" by Professor John G. Sproat
	12	Chapel: "The Sleeper" by Professor Donald E. Bartlett
	14	Garrick Play: "Thieves Carnival"
	19	Convocation: "Processes of Architecture" by Mr. John M. Johansen
	20	Lecture: "Escape from Tibet" by Mr. Thubten Norbu
	21	Garrick Play: "Thieves Carnival"
	22	Film Series: "Orpheus", "Glenn Gould On The Record"
	24	Faculty Lecture Series: "Shakespeare as a Poet" by Professor Harold Hutcheson
	25	Lecture: "Report from Birmingham" by President Lucius H. Pitts, Miles College
	26	Chapel: "Hear Me, America" by President Pitts, Miles College
	28	Concert: Blues and Southern Folk Concert
March	1	Lecture: "Ground Rules for 1964" by Professor Clinton Rossiter, Cornell University
	4	Lecture: "The Mossbauer Effect" by Dr. Jurgen Heberle, Argonne Laboratory
	4	Lecture: "Interrelationship of Sciences" by Professor George Gibson, Brooklyn College
	7	Film Series: "Loneliness of the Long Distance Runner", "Olympic Diving Sequence"
	9	Faculty Lecture Series: "Concept of Morality," by Professor John Kalas
	11	Chapel: Shubert Mass in G Major by Lake Forest College Choir
	15	Concert: Faculty Recital by Professor Ann Bowen and Mr. Robert Huhn, and Mr. Norman Gulbrandsen

April
- 4 Film Series: "The Prisoner"
- 6 Faculty Lecture Series: "The Message of Berthold Brecht" by Professor Friedhelm Radandt
- 7 Movie: "The World of APU" concerning India
- 11 Film Series: An Event of Short Subjects
- 12-18 Exhibition of Indian Art, Sculpturing, Textiles and Metals
- 13 Lecture: "An Actor's Way to Shakespeare" by Mr. Morris Carnovsky
- 15 Fashion Show: Fashions of India
- 17-19 Conference: *Focus On India*
  Address: "Perspective for India" by Mr. Keki Bhote, foreign correspondent for JAME-JAMSHED, a Bombay newspaper
  Address by the Hororable A. K. Dar, Political Minister of the Embassy of India in Washington
  Panel Discussions: "India, Red China, and Pakistan" and "The American Civil Rights Movement and the Legacy of Gandhi"
  Recital: Indian Music and Dancing
- 20 Faculty Lecture Series: "Man's View of the Atom" by Professor John Coutts
- 21 Lecture: "My Experiences in Civil Rights" by Reverend William Sloane Coffin
- 24 Lecture: "Brewing Bio-Chemistry" by Mr. P. D. Bayne
- 22 Lecture: "The Revolution in Sex and the Perspective of Faith" by Reverend William Sloane Coffin
- 25 Film Series: "Nanook of the North"
- 27 Lecture: "Teilhard re Chardin and Some of his Predecessors" by Mr. Leslie Paul, Visiting British Author and Lecturer
- 29 Convocation: "Problem of the Human Person" by Mr. Leslie Paul
- 29 Lecture: by Mr. Charles McDew, Field Secretary of Student Nonviolent Coordinating Committee

May
- 1 Lecture: "Molecular Architecture" by Professor L. C. King, Northwestern University
  Lecture and Discussion: "Making Do" by Mr. Paul Goodman
- 3 Concert: Pianist Robert Wallenborn, Washington University
- 4 Lecture: "The Program of Programmed Instruction" by Professor B. F. Skinner, Department of Psychology, Harvard University
- 5-7 Conversation: "Christians and Jews in Suburbia, Strangers or Neighbors?" sponsored by Lake Forest College and Anti-Defamation League of B'nai B'rith
  Panelists: President William Graham Cole, Dean Charles U. Harris of Seabury-Western Seminary, Rabbi Sholom A. Singer and Dr. David Weinstein, President of College of Jewish Studies, Chicago
- 6 Dialog: "Christianity and Judaism — Consensus and Conflict" by Dr. J. Coert Rylaarsdam, University of Chicago and Rabbi David Polish, Evanston
- 7 Discussion: "Campus Culture and Religious Diversity" led by Mr. Hans Adler, Midwest Program Director, Anti-Defamation League of B'nai B'rith
- 7,8,9 Garrick Play: "Much Ado About Nothing"
- 9 Film Series: "Shane"
- 11 Lecture: "Civil Rights — What Can the Government Do — What Should the Government Do?" by Professor Jack Peltason, University of Illinois
- 12 Films: "The Swan of Avon", "The City Called Copenhagen", and "They Are Not Alone"
- 13 Lecture: "Arbitration for the 60's" by Mr. Carl Schier, Organizer for United Auto Workers
- 19 Films: "The Four Seasons in Italy" and "Symphony in Switzerland"
- 20 Chapel: "Red Hot Pokers" by Professor Donovan Smucker, Chaplain
- 20 Student Recital: Senior Piano Recital
- 22 Lecture: "Interpersonal Relations on the College Campus" by Professor Bruno Bettelheim, University of Chicago
- 23 Film Series: "Casablanca"
- 24 Concert: Chicago Woodwind Quintet with Professor Ann Bowen, pianist, of Lake Forest College

June
- 3 Senior Convocation: Address by Professor John Coutts, winner of Great Teacher Award, 1964, entitled "Why Study Science?"
- 3 Garrick Plays: "Night of One Acts"
- 4 Spring Choral Concert
- 12 Baccalaureate: "In Praise of Folly" by President William Graham Cole
- 12 Symposium: "The United States Foreign Policy and World Problems" Panel members: The Honorable Francis P. T, Plimpton, The Deputy Representative of the United States to the United Nations;
  Mrs. Edison Dick, United States Representative to the United Nations;
  Mr. Edward D. McDougal, Jr., President of the Chicago Council of Foreign Relations;
  The Honorable Herbert B. Prochnow, President, The First National Bank of Chicago.
- 13 Commencement: "The United States and the United Nations" by The Honorable Francis T. P. Plimpton, the Deputy Representative to the United Nations

SUMMARY OF ENROLLMENT 1963-64

DAY SESSION	FALL TERM			WINTER TERM			SPRING TERM		
	Men	*Women*	*Total*	*Men*	*Women*	*Total*	*Men*	*Women*	*Total*
Senior	93	94	187	106	96	202	109	95	204
Junior	146	112	258	135	109	244	141	116	257
Sophomore	177	136	313	170	118	288	164	119	283
Freshman	197	159	356	179	154	333	158	141	299
Unclassified	12	33	45	11	24	35	10	24	34
Auditor	3	12	15	2	5	7	1	5	6
	628	546	1174	603	506	1109	583	500	1083
EVENING SESSION	57	36	93	29	18	47	14	15	29

SUMMER TERM	*Men*	*Women*	*Total*
	213	173	386

TOTAL ENROLLMENT, 1963-64

GROSS TOTALS	962	797	1759
Less Duplicates	-136	-84	-220
NET TOTAL	826	713	1539

EXPENSES

Resident Students

Tuition, room, board, linen service, and health insurance $2400.00

Non-Resident Students

Tuition 1400.00

(Health insurance optional—$40.00)

Part-Time Students

One Course 175.00

Two Courses 325.00

Auditing Students

Per course (when student is not full time) ..... one-half charge for credit

The College reserves the right to change charges as occasion demands.

SCHEDULE OF PAYMENTS

Resident		Non-Resident	
By September 15, 1964	$1140.00	By September 15, 1964	$ 470.00
By December 28, 1964	630.00	(Health insurance, if desired—$40.00)	
By March 15, 1965	630.00	By December 28, 1964	465.00
		By March 15, 1965	465.00
TOTAL	$2400.00	TOTAL	$1400.00

NEW students may deduct the $100 admission deposit from the first payment due September 15, 1964. Returning students may deduct the $50 room deposit.

The Board of Trustees has specified that *all* tuition and fees are due on the dates indicated above. Any other arrangements must be made *prior* to such dates. *No student will be permitted to enter a dormitory or class unless the account is cleared.* Students without a meal ticket will be required to pay cash for their meals from the first meal on campus. These cash payments will not be refunded.

Two basic payment procedures are used:

One . . . Full payment by the dates shown above.

Two . . . Payments monthly by use of Education Funds, Inc., or Insured Tuition. If you do not have descriptive literature on these plans, please write to the Business Office.

Lake Forest College has some student loan funds available—students interested in loans should see or write the Dean of Students 30 days before needing the funds.

Diplomas and transcripts are withheld from those who have not met their financial obligations to the College.

SPECIAL CHARGES

APPLICATION FEE (to be paid only once) ..... $ 10.00

LATE REGISTRATION 5.00

For failure to register or complete registration on the designated days.

CHANGE IN REGISTRATION 3.00

For each change in registration made after classes begin.

CHANGE IN ROOM ASSIGNMENT 3.00

For a change in room assignment made after ten days of the term have elapsed.

SPECIAL EXAMINATIONS 7.50

For each condition or special final examination, unless excused.

EXAMINATION FOR CREDIT — Same as course for credit.

MUSIC—Voice, Violin, Piano or Organ

Private Instruction

One half-hour lesson a week ..... *10 lessons per term* 40.00

(This rate applies only to full-time students of the College.)

One half-hour lesson ..... *per lesson* 5.00

(This rate applies to part-time students for credit or non-credit and to full time student who take fewer than *10 lessons per term*)

Practice Room

Organ—One hour per day ..... *per term* 17.00

SENIOR CLASS DUES 15.00

(This is the amount for 1963-64. The senior class sets the dues each year.)

WITHDRAWALS

The educational services and activities of the College are planned on the basis of anticipated income for the academic year. It is assumed that students who enroll will remain throughout the current term. In cases where students find it necessary to withdraw during a term, only a portion of the term charges can be refunded.

Rooms are rented on a yearly basis only and no refunds are made. The application fee and admission deposits paid by new students are not refundable.

Non-attendance at classes or moving from the dormitory does not constitute withdrawal and the last date of class attendance is not the termination date used in adjusting charges. Official withdrawal, which determines the termination date used in assessing charges, is dated from the time the proper withdrawal form is signed in the Office of the Dean of Students.

For students withdrawing officially through the Office of the Dean of Students, charges will be 20% per week or fraction thereof for the first five weeks of the term, with no refund after the beginning of the fifth week.

The first Saturday after the opening of classes in each term marks the end of the first week.

Refund is made on tuition and board only, according to the following schedule:

	Tuition Charge	*Tuition Refund*	*Board Charge*	*Board Refund*
First Week	$ 94.00	$376.00	$ 34.00	$136.00
Second Week	188.00	282.00	68.00	102.00
Third Week	282.00	188.00	102.00	68.00
Fourth Week	376.00	94.00	136.00	34.00
Fifth Week	470.00	0.00	170.00	0.00

Student health service, activity, and board privileges are valid only as long as a student is enrolled in the College and the cards covering these must be surrendered upon withdrawal.

These provisions apply to all students, whatever may be the reason for withdrawal or dismissal.

DEGREES CONFERRED

1963

Honorary Degrees

DOCTOR OF LAWS . . . . . JEAN BELIARD
DOCTOR OF HUMANE LETTERS . . . . . CARROLL H. SUDLER
DOCTOR OF HUMANE LETTERS . . . . . IRWIN L. YOUNG
DOCTOR OF LETTERS . . . . . WILLIAM MCCORMICK BLAIR
DOCTOR OF LETTERS . . . . . ALICIA PATTERSON

DEGREES IN COURSE

Bachelor of Arts

James Enright Abbott	Mathematics
Judith Shirey Abbott	Speech
Diana Isabella Adams	Biology
Phyllis Jeanne Adamson	German
Jean S. Alexander	Art
Nicholas Casper Aliotti	Psychology
Barbara Jill Allen	English
Susan Allen	English
John William Andersen	Psychology
Nancy Lee Anderson	Psychology
George John Bakalis	History
Pamela Jean Barton	Art
Mark Julian Bassett	Economics
Richard Hull Baughman	Biology
Arthur Jerome Becker	Economics
Wendell Bruce Beem	English
Richard Valentine Belec	Physics
Robert George Berryman	Economics
James Alan Bert	English
James R. Bonham	Sociology
Ilene Ruth Booke	English
Denise M. Bowles	French
Hubert Sheldon Bowles, Jr.	Economics
Robert William Buckley, Jr.	English
Warren Judson Burke	History
Robert Theodore Carlson	Art
Joy Marie Cims	English
Nancy Jean Congdon	History
Catherine Connelly	English
Harriett Susan Daniels	Government
William Harold Demos	Chemistry
James Paul Dolence	Physics
Evelyn Anne Dye	History
Karen Elizabeth Ekstrand	English
Robert Laurence Kappauf	Psychology
Peter Chris Karvellas	Psychology
Dolores Anna Ellis	Economics
Sara Lynne Ericson	Biology
Robert Stanley Erikson	Government
Phoebe Fabricant	Art
Joyce Haimes Fidell	English
William Paul Findlay	Chemistry
Edward James FitzSimons	Economics
Rogene Lee Fox	Psychology
Miriam Elizabeth Franks	English
Judith Ann Fremd	English
David F. Frick	Mathematics
George Eric Grashorn	Government
David Arthur George	Economics
Sally Patricia Gillen	English
Cynthia Naylor Gillispie	Sociology
Caryl Susan Golden	History
Stephen Goodell	History
Ruth Schmidt Goodridge	English
Marcia Nechtow Gorchow	Speech
Russell Clark Graves	Economics
Robert Morel Gray	Sociology
Perry James Gulbrandsen	Government
Jerry Arthur Halbrooks	Physics
Peter Michael Handwork	Government
Elizabeth P. Hennighausen	English
Francis J. Hess	Economics
Ann Elizabeth Holmgren	English
Lenore Anne Hoogesteger	English
Daryl Holtz Isenberg	Psychology
Beatrice Ruden Israelstam	Art History
Thomas Herbert Jacobsen	Economics
David Curtis Johnson	Government
Fredric Lynn Johnson	Psychology
Gordon Henry Johnson	Physics
June S. Johnson	Spanish
Stuart Edward Kammerman	History
Thelma Zora Kassner	Philosophy
John Raymond Kearney	Biology

Patricia Lockhart Kendler	Psychology
Hiram Wilder Kennicott	Philosophy
David Ross Kern	English
Thomas Edward Kilfoyle	History
Robert Leonard Koberg	Psychology
June Catherine Koenig	Chemistry
Frederick A. Krehbiel II	Government
Walter Anthony Kroll	History
Jean E. Krueger	English
Kenneth E. Landstrom	Speech
William Paul Larsen	Philosophy
Alvar Emil Larson	Chemistry
Edith Ann Larson	Psychology
H. Norman Larson	Economics
Marilyn Renee Lee	Sociology
V. Richard Lewis	History
Barbara Gene Liljequist	Art
Kenneth Wilhelm Lindberg	Economics
Bruce David Locher	Government
Walter U. London	Psychology
Gregory George Manalli	Psychology
Lucille C. Martell	French
Claudette Dell McIntyre	Biology
Gwenyth Lynn Meirose	History
Janet Knapp Miller	History
Victoria Johanna Moraitis	English
Brian Howard Moor	Speech
Louis R. Munson	Dramatic Art
Barbara Feldt Myers	Speech
Gordon Michael Nack	History
Louise Carson Neel	French
John Lockwood Nelson	Government
Ann Marie Nuuttila	Biology
Carl Thomas Nyberg	Economics
Robert H. Olmsted III	Economics
Helen O. Palmquist	French
Robert Christian Parker	Chemistry
George A. Pavlatos	History
Robert Wayne Pearson	Economics
Margaret Grier Perry	English
Wigmore Alling Pierson	Government
Peter George Pitchios	History
Crystal Carol Plummer	French
Suzanne Marie Prescott	Psychology
John Robert Quick	Biology
Jerome Edmond Quilty	Economics
Lois B. Rest	English
James Henry Richards	Economics
Richard Raymond Ring	History
Patricia Ann Risoluti	Psychology
Patricia Ann Rouille	English
Thomas Edward Russell	Economics
Judith L. Ryan	International Relations
Peter Edward Saari	Government
Robert William Sawyer	Government
Miriam Stone Schoenberg	Mathematics
Barry Steven Schoenbrod	English
Joan Emilie Schultz	English
Vernon F. Schultz	Economics
Art Carl Schwarz	Government
Eric Frederick Schwarz	Economics
Richard Wesley Smith	History
Dorsey Lee Spearing	Dramatic Art
Janet Van Wie Stanley	History
George Conrad Stanton	Psychology
Gordana Stevanovich	French
Dorothy Buhle Szczepaniak	English
Charles Sherwood Thomas	Psychology
David Allen Thomas	Biology
Raymond Frank Tock	Economics
Stanley W. Todd III	Government
Henry Johnson Ullmann	English
Elizabeth M. Van Sickle	Mathematics
Patricia Diane Varveris	Psychology
Lynn Valerie Vitek	English
Lois Jean Wagner	English
Carl Raymond Wanen	Government
Kenneth Earl Welton, Jr.	Physics
Dirk Chase Whitley	Economics
Donald William Whitney	History
Spencer S. Willison, Jr.	Government
Sandra Regina Wolf	Psychology
Phyllis Eileen Youngerman	English

Bachelor of Arts in Business Administration

William Anderson
Glen Allen Baugh
Richard Harold Boell
Marvin Lee Capp
Lee Roy Edward Dixson
Thomas S. Franke
Hugh Frederick Henderson
Hugh Gordon Kelly, Jr.
David Milton Kutz
Harold Albert Lawrence
Robert Taylor Porter, Jr.
Jere Keogh Rice
Frederick Dillon Sewrey
Raymond William Shadinger, Jr.
Frederick A. Uhle

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1857
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